```
In [ ]:
In [ ]:
In [1]:
import pandas as pd
import numpy as np
import seaborn as sn
import matplotlib.pyplot as plt
data = pd.read_csv('Reviews.csv')
print (data.head(2))
print(data.shape)
 Id ProductId UserId ProfileName
1 B001E4KFG0 A3SGXH7AUHU8GW delmartian
2 B00813GRG4 A1D87F6ZCVE5NK dll pa
                           UserId ProfileName HelpfulnessNumerator \
  HelpfulnessDenominator Score
                                         Time
                                                                Summary \
                         1 5 1303862400 Good Quality Dog Food
0
                                1 1346976000
1
                                                 Not as Advertised
0 I have bought several of the Vitality canned d...
1 Product arrived labeled as Jumbo Salted Peanut...
(568454, 10)
```

Data after PreProcessing

```
In [6]:
```

```
import pickle
final = pickle.load(open('final.p','rb'))
final
```

Out[6]:

	ld	ProductId	Userld	ProfileName	HelpfulnessNumerator	HelpfulnessDenominator	Score	T
150523	150524	0006641040	ACITT7DI6IDDL	shari zychinski	0	0	1	939340
150500	150501	0006641040	AJ46FKXOVC7NR	Nicholas A Mesiano	2	2	1	940809
451855	451856	B00004CXX9	AIUWLEQ1ADEG5	Elizabeth Medina	0	0	1	944092
374358	374359	B00004Cl84	A344SMIA5JECGM	Vincent P. Ross	1	2	1	944438
451854	451855	B00004CXX9	AJH6LUC1UT1ON	The Phantom of the Opera	0	0	1	946857

374421	3744 2∂	BOPO COLLICIO 4	A1048CYU0 ญษ์ผู้ผูล	ProfileNams	HelpfulnessNumerato2	HelpfulnessDenominato2	Scoré	94737 t
374342	374343	B00004Cl84	A1B2lZU1JLZA6	Wes	19	23	0	948240
76881	76882	B00002N8SM	A32DW342WBJ6BX	Buttersugar	0	0	1	948672
374449	374450	B00004Cl84	ACJR7EQF9S6FP	Jeremy Robertson	2	3	1	951523
374399	374400	B00004CI84	A2DEE7F9XKP3ZR	jerome	0	3	1	959990
451902	451903	B00004CXX9	A2DEE7F9XKP3ZR	jerome	0	1	1	959990
1244	1245	B00002Z754	A29Z5PI9BW2PU3	Robbie	7	7	1	961718
1243	1244	B00002Z754	A3B8RCEI0FXFI6	B G Chase	10	10	1	962236
131216	131217	B00004RAMX	A5NQLNC6QPGSI	Kim Nason	7	8	1	965001
149769	149770	B00004S1C5	A1KXONFPU2XQ5K	Stephanie Manley	8	8	1	965779
149788	149789	B00004S1C6	A1KXONFPU2XQ5K	Stephanie Manley	26	28	1	965779
374420	374421	B00004Cl84	A1FJOY14X3MUHE	Justin Howard	2	2	1	966297
374407	374408	B00004Cl84	A1GB1Q193DNFGR	Bruce Lee Pullen	5	5	1	970531
149767	149768	B00004S1C5	A7P76IGRZZBFJ	E. Thompson "Soooooper Genius"	18	18	1	975974
374382	374383	B00004Cl84	A34NBH479RB0E	"dmab6395"	0	1	1	977184
374357	374358	B00004Cl84	A1HWMNSQF14MP8	will@socialaw.com	1	2	1	978134

149789	149790	B0 ନ୍ଦ୍ରଶ ୍ୱଥିଲି	A1IU7S4HC K1 ¥KQ	Joan na Airenna	HelpfulnessNumerat อ์ร ี	HelpfulnessDenominat 6 7	Score	98280 6
451922	451923	B00004CXX9	ANIMV3SPDD8SH	Guy De Federicis	1	12	0	992217
374338	374339	B00004CI84	AZRJH4JFB59VC	Lynwood E. Hines	21	23	0	997228
374448	374449	B00004CI84	A3K3YJWV0N54ZO	Joey	2	3	1	1001289
149791	149792	B00004S1C6	A3B5QJVM1TLYJG	Dan Crevier	11	12	1	1003795
374334	374335	B00004CI84	A3L5V40F14R2GP	AARON	0	0	1	1004054
150499	150500	0006641040	A1IJKK6Q1GTEAY	A Customer	2	2	1	1009324
361316	361317	B00005IX96	A3ODTU118FKC5J	Rosemarie E Smith	5	7	1	1010275
374333	374334	B00004Cl84	A2HIZRVOKXKZ52	KAY N. FOWLER	0	0	1	1012780
5923	5924	B00523NRVO	A2JDXKFZ0PFHKU	James W. Shondel	0	0	1	1351209
480031	480032	B003IHO8OG	A21XO4RCPWMEVK	The Prufessa	0	0	1	1351209
205937	205938	B00005C2M2	A3IVNUHADVJKFA	Krystalyn A Kirschner	0	0	1	1351209
126740	126741	B003IHO8LE	A1ZR68U4ZVLQCQ	Kenneth R. Hunt	0	0	1	1351209
478717	478718	B00529PECI	A3H4L7TJKQHW4Q	notAyesperson "Always in search of good books"	0	0	0	1351209
552161	552162	B008PYVINQ	A1DRWYIO7JN1MD	Charles h	0	0	0	1351209
150284	150285	B001SAVSHU	A1SGK9Z6F04XI5	Ann L. Everett "Grandmother Ann"	0	0	1	1351209
				notAyesperson	_	_	•	

518007	518008 Id	B00529PFX6 ProductId	A3H4L7TJKQHW4Q Userld	"Always in search of good books	HelpfulnessNumerator 0	HelpfulnessDenominator 0	Score	135120 <u>9</u> T
206553	206554	B003HFA3XY	A1PLO6OW6O2Z1	Debra Sandifer "Ildcs"	0	0	0	1351209
518538	518539	B0002YW26E	A506HOOCVL8GW	J. Kurz "J. Q. Public"	0	0	1	1351209
368401	368402	B007689U8W	A3FW29GQ2BNLHI	M. Spalding	0	0	1	1351209
170764	170765	B00765PU2K	A1HZOO8M8RMQUR	S. Jensen "gardener"	0	0	1	1351209
551935	551936	B000Y2CT6M	A4QPC05GM1H32	hollis101	0	0	1	1351209
256791	256792	B003G52BN0	A2O4V3MCB7EPPU	Bellingham Bookworm	0	0	1	1351209
477559	477560	B000084ETY	A1HRYC60VTMYC0	Ace	0	0	1	1351209
372662	372663	B0083T6HC0	A3O8OORDK17OBT	N. Clark	0	0	0	1351209
122940	122941	B0054ES1MG	A25QCYSED869Q3	EmoMiami	0	0	1	1351209
327909	327910	B0075JTJ42	A20SW5W6FQU0TY	felipe restrepo	0	0	1	1351209
461153	461154	B0002NVKZ4	A94YB71KEDA3X	Joy	0	0	1	1351209
148074	148075	B001R3BQNY	A1EAVF2W1QBTU1	M. Mack "mack85"	0	0	1	1351209
98293	98294	B0002LY6W0	A1BX08Y0GIT5RU	L. Nguyen "Always on the lookout for a good d	0	0	1	1351209
423200	423201	B0055RU9RC	A1PLO6OW6O2Z1	Debra Sandifer "Ildcs"	0	0	1	1351209
330054	330055	B0057QFOK8	AFRQ2IIV4MBLK	Itserk Noddyl "Dedicated Reader"	0	0	1	1351209
469062	469063	B00750E0X6	A2CPS5MWG87O7E	k.kollevoll	0	0	0	1351209
298944	298945	B0012C2GFM	A2T28XGN21AZ0A	Hubert Farnsworth	0	0	0	1351209

	ld	ProductId	Userld	ProfileName	HelpfulnessNumerator	HelpfulnessDenominator	Score	T	
552636	552637	B0012EYELE	AWQOTHBNJBSVB	Gregory E. Grant "GG"	0	0	0	1351209	
306007	306008	B0058CGLH6	A3QRR5YN6ALFPG	james a riche	0	0	0	1351209	
336871	336872	B0012KB4U2	AGQBI6601XH2R	DaniC	0	0	1	1351209	
566797	566798	B001PQTYN2	A3OTHWG8LLCLMU	PACKERS FAN "Gordon Boone"	1	1	1	1351209	
384160	384161	B000EVWQZW	A2PCNXBSKCABG5	Whit	0	0	1	1351209	
364171 r	rows × 1	1 columns							
4								Þ	
In [37]]:								
n_samp y = fir	les = 1 nal['So nal['C]	core'].sampl	e(n_samples) .sample(n_sample	s)					
#SPLIT train and test data from sklearn.model_selection import train_test_split X_tra, X_tes, y_train, y_test = train_test_split(x,y,test_size=0.3,shuffle=False)									
In [39]	1:								
type(y_X_tra.s			y_train.shape,y_	test.shape					
Out[39]]:								
((7000	0,), (3	30000,), (70	000,), (30000,))						
In [40]]:								
sent_o: for ser	nt in 2	X_tra:	l(sent.split())						
#sent_	of_tra	in							
sent_o: for ser	nt in 1	X_tes:	sent.split())						
In [41]]:								
len(se	nt_of_t	train)							
Out[41]]:								
70000									

from sklearn.feature_extraction.text import TfidfVectorizer
S = ["abc def par". "def def def abc". "par par def"]

In [42]:

```
model = TfidfVectorizer()
tf_idf_matrix = model.fit_transform(X_tra.values)
# we are converting a dictionary with word as a key, and the idf as a value
dictionary = dict(zip(model.get_feature_names(), list(model.idf_)))
```

In [43]:

```
#word to vector
from gensim.models import Word2Vec
w2v_model=Word2Vec(sent_of_train,min_count=3,size=200, workers=4) # words which occurs 3 times; 500
dimensions
w2v_words = list(w2v_model.wv.vocab)
print("number of words that occured minimum 3 times ",len(w2v_words))
```

number of words that occured minimum 3 times 14089

In [44]:

```
# TF-IDF weighted Word2Vec
from tqdm import tqdm
tfidf feat = model.get feature names() # tfidf words/col-names
# final_tf_idf is the sparse matrix with row= sentence, col=word and cell_val = tfidf
tfidf sent vectors = []; # the tfidf-w2v for each sentence/review is stored in this list
for sent in tqdm(sent of train): # for each review/sentence
   sent vec = np.zeros(200) # as word vectors are of zero length
   weight_sum =0; # num of words with a valid vector in the sentence/review
   for word in sent: # for each word in a review/sentence
       if word in w2v words:
           vec = w2v_model.wv[word]
             tf idf = tf idf matrix[row, tfidf feat.index(word)]
            # to reduce the computation we are
            # dictionary[word] = idf value of word in whole courpus
            # sent.count(word) = tf valeus of word in this review
           tf idf = dictionary[word] * (sent.count (word) /len(sent))
           sent vec += (vec * tf idf)
           weight sum += tf idf
   if weight sum != 0:
       sent vec /= weight sum
   tfidf sent vectors.append(sent vec)
   row += 1
 0%|
             | 0/70000 [00:00<?, ?it/s]
 081
               | 11/70000 [00:00<11:57, 97.53it/s]
 0%1
              | 18/70000 [00:00<13:23, 87.08it/s]
 0%|
              | 25/70000 [00:00<14:47, 78.84it/s]
              | 39/70000 [00:00<13:03, 89.34it/s]
 0% I
 0%1
              | 53/70000 [00:00<11:43, 99.39it/s]
 0%1
              | 64/70000 [00:00<11:25, 102.03it/s]
              | 75/70000 [00:00<11:15, 103.46it/s]
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              | 85/70000 [00:00<11:26, 101.91it/s]
              | 95/70000 [00:00<12:33, 92.73it/s]
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              | 105/70000 [00:01<13:31, 86.08it/s]
              | 117/70000 [00:01<12:25, 93.69it/s]
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              | 127/70000 [00:01<12:16, 94.87it/s]
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              | 137/70000 [00:01<13:47, 84.40it/s]
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              | 148/70000 [00:01<12:59, 89.55it/s]
              | 163/70000 [00:01<11:37, 100.10it/s]
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              | 176/70000 [00:01<11:28, 101.35it/s]
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              | 187/70000 [00:01<11:23, 102.17it/s]
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              | 198/70000 [00:02<13:15, 87.78it/s]
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              | 208/70000 [00:02<13:10, 88.25it/s]
              | 218/70000 [00:02<13:06, 88.77it/s]
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              | 230/70000 [00:02<12:18, 94.52it/s]
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              | 240/70000 [00:02<13:16, 87.54it/s]
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              | 251/70000 [00:02<12:49, 90.69it/s]
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              | 262/70000 [00:02<12:28, 93.12it/s]
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              | 275/70000 [00:02<11:25, 101.68it/s]
               | 286/70000 [00:02<11:12, 103.63it/s]
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               | 297/70000 [00:03<13:21, 86.92it/s]
```

```
| 307/70000 [00:03<13:54, 83.49it/s]
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0%1
               318/70000 [00:03<12:58, 89.52it/s]
0%|
               329/70000 [00:03<12:42, 91.38it/s]
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             | 339/70000 [00:03<12:27, 93.18it/s]
             | 352/70000 [00:03<11:25, 101.65it/s]
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             | 363/70000 [00:03<11:55, 97.29it/s]
              | 377/70000 [00:03<11:04, 104.74it/s]
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1 응 [
             | 388/70000 [00:04<11:01, 105.22it/s]
             | 402/70000 [00:04<10:22, 111.89it/s]
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               414/70000 [00:04<11:09, 103.92it/s]
             | 425/70000 [00:04<12:58, 89.37it/s]
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             | 437/70000 [00:04<12:04, 96.02it/s]
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             | 448/70000 [00:04<12:32, 92.41it/s]
1 응 [
             | 464/70000 [00:04<11:07, 104.15it/s]
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             | 476/70000 [00:04<11:21, 101.96it/s]
             | 487/70000 [00:05<12:08, 95.40it/s]
1%|
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             | 498/70000 [00:05<13:08, 88.15it/s]
1%|
             | 508/70000 [00:05<13:05, 88.43it/s]
             | 518/70000 [00:05<13:58, 82.86it/s]
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             | 529/70000 [00:05<13:19, 86.91it/s]
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               540/70000 [00:05<12:38, 91.63it/s]
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             | 550/70000 [00:05<12:39, 91.44it/s]
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             | 562/70000 [00:05<11:48, 97.95it/s]
1%|
             | 573/70000 [00:05<12:28, 92.72it/s]
             | 584/70000 [00:06<11:56, 96.94it/s]
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               594/70000 [00:06<13:37, 84.88it/s]
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             | 609/70000 [00:06<12:11, 94.81it/s]
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             | 620/70000 [00:06<12:48, 90.30it/s]
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             | 630/70000 [00:06<12:55, 89.44it/s]
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             | 642/70000 [00:06<12:47, 90.38it/s]
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             | 652/70000 [00:06<13:22, 86.39it/s]
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               661/70000 [00:06<14:46, 78.25it/s]
             | 671/70000 [00:07<14:24, 80.17it/s]
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             | 680/70000 [00:07<14:35, 79.15it/s]
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             | 690/70000 [00:07<14:17, 80.86it/s]
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             | 699/70000 [00:07<15:04, 76.62it/s]
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               707/70000 [00:07<15:10, 76.12it/s]
             | 716/70000 [00:07<15:08, 76.23it/s]
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             | 725/70000 [00:07<14:50, 77.82it/s]
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               734/70000 [00:07<15:02, 76.77it/s]
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               745/70000 [00:08<13:40, 84.38it/s]
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               754/70000 [00:08<14:33, 79.29it/s]
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               767/70000 [00:08<13:05, 88.15it/s]
             | 780/70000 [00:08<11:55, 96.74it/s]
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             | 791/70000 [00:08<12:30, 92.19it/s]
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             | 801/70000 [00:08<12:47, 90.15it/s]
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             | 811/70000 [00:08<12:29, 92.31it/s]
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             | 821/70000 [00:08<14:07, 81.59it/s]
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             | 833/70000 [00:09<13:16, 86.79it/s]
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             | 843/70000 [00:09<13:16, 86.79it/s]
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             | 855/70000 [00:09<12:21, 93.27it/s]
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             | 865/70000 [00:09<12:34, 91.60it/s]
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             | 878/70000 [00:09<12:26, 92.60it/s]
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             | 893/70000 [00:09<11:25, 100.82it/s]
             | 904/70000 [00:09<11:08, 103.33it/s]
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             | 920/70000 [00:09<10:01, 114.77it/s]
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             | 933/70000 [00:09<11:17, 101.94it/s]
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             | 944/70000 [00:10<11:25, 100.69it/s]
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             | 955/70000 [00:10<11:33, 99.56it/s]
             | 966/70000 [00:10<12:55, 89.02it/s]
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             | 977/70000 [00:10<12:59, 88.54it/s]
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              | 987/70000 [00:10<14:52, 77.36it/s]
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             | 996/70000 [00:10<14:32, 79.12it/s]
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             | 1007/70000 [00:10<13:32, 84.89it/s]
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             | 1017/70000 [00:10<12:59, 88.49it/s]
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             | 1028/70000 [00:11<12:16, 93.62it/s]
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             | 1039/70000 [00:11<11:58, 95.98it/s]
             | 1049/70000 [00:11<11:58, 95.94it/s]
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             | 1059/70000 [00:11<11:50, 97.03it/s]
               1069/70000 [00:11<12:31, 91.67it/s]
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             | 1079/70000 [00:11<12:21, 93.00it/s]
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             | 1091/70000 [00:11<11:34, 99.16it/s]
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              | 1102/70000 [00:11<12:11, 94.12it/s]
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             | 1112/70000 [00:11<12:01, 95.49it/s]
2%|
             | 1122/70000 [00:12<15:43, 73.02it/s]
              | 1131/70000 [00:12<15:54, 72.13it/s]
2%|
2%|
              | 1139/70000 [00:12<15:27, 74.25it/s]
```

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| 1147/70000 [00:12<15:14, 75.33it/s]
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             | 1155/70000 [00:12<18:57, 60.51it/s]
2%|
281
             | 1163/70000 [00:12<19:24, 59.10it/s]
2%|
             | 1172/70000 [00:12<17:28, 65.66it/s]
2%|
             | 1181/70000 [00:13<16:17, 70.41it/s]
             | 1194/70000 [00:13<14:27, 79.34it/s]
2%|
2%|
             | 1203/70000 [00:13<14:56, 76.77it/s]
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             | 1212/70000 [00:13<14:22, 79.79it/s]
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             | 1221/70000 [00:13<13:59, 81.88it/s]
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             | 1230/70000 [00:13<15:01, 76.30it/s]
2%|
             | 1240/70000 [00:13<15:24, 74.40it/s]
             | 1251/70000 [00:13<13:58, 81.95it/s]
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             | 1261/70000 [00:13<13:20, 85.86it/s]
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             | 1270/70000 [00:14<14:42, 77.87it/s]
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             | 1283/70000 [00:14<13:04, 87.62it/s]
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             | 1293/70000 [00:14<13:21, 85.74it/s]
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             | 1303/70000 [00:14<13:49, 82.81it/s]
             | 1312/70000 [00:14<18:58, 60.31it/s]
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             | 1320/70000 [00:14<17:42, 64.64it/s]
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             | 1330/70000 [00:14<16:10, 70.77it/s]
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             | 1346/70000 [00:15<17:48, 64.24it/s]
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             | 1353/70000 [00:15<18:36, 61.50it/s]
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             | 1364/70000 [00:15<16:27, 69.50it/s]
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             | 1376/70000 [00:15<14:25, 79.27it/s]
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             | 1387/70000 [00:15<13:30, 84.70it/s]
2%|
             | 1397/70000 [00:15<13:01, 87.81it/s]
281
             | 1407/70000 [00:15<13:14, 86.31it/s]
             | 1419/70000 [00:15<12:14, 93.32it/s]
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             | 1429/70000 [00:16<14:50, 76.98it/s]
281
             | 1438/70000 [00:16<17:31, 65.22it/s]
2%1
             | 1446/70000 [00:16<20:13, 56.51it/s]
             | 1454/70000 [00:16<18:33, 61.59it/s]
2%1
             | 1461/70000 [00:16<18:35, 61.42it/s]
2%|
2%|
             | 1468/70000 [00:16<22:11, 51.49it/s]
2%1
             | 1479/70000 [00:17<19:32, 58.42it/s]
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             | 1492/70000 [00:17<16:39, 68.51it/s]
2%|
             | 1502/70000 [00:17<15:18, 74.60it/s]
             | 1513/70000 [00:17<15:20, 74.40it/s]
2%1
             | 1526/70000 [00:17<13:35, 83.96it/s]
2%|
2%|
             | 1536/70000 [00:17<13:08, 86.87it/s]
2%1
             | 1546/70000 [00:17<13:11, 86.51it/s]
2%|
             | 1556/70000 [00:17<12:41, 89.92it/s]
             | 1566/70000 [00:17<13:19, 85.57it/s]
2%|
2%|
             | 1577/70000 [00:18<12:33, 90.75it/s]
2%|
             | 1587/70000 [00:18<12:22, 92.15it/s]
2%|
             | 1597/70000 [00:18<14:10, 80.42it/s]
2%|
             | 1608/70000 [00:18<13:06, 87.00it/s]
2%|
             | 1619/70000 [00:18<12:36, 90.33it/s]
2%1
             | 1634/70000 [00:18<11:06, 102.50it/s]
2%1
             | 1646/70000 [00:18<11:07, 102.45it/s]
2%|
             | 1657/70000 [00:18<12:46, 89.21it/s]
2%1
             | 1667/70000 [00:19<13:50, 82.25it/s]
2%1
             | 1678/70000 [00:19<12:50, 88.71it/s]
2%|
             | 1689/70000 [00:19<12:07, 93.87it/s]
2%|
             | 1699/70000 [00:19<11:55, 95.44it/s]
2%|
             | 1711/70000 [00:19<11:22, 100.11it/s]
             | 1722/70000 [00:19<11:04, 102.79it/s]
2%|
2%|
             | 1733/70000 [00:19<16:40, 68.25it/s]
2%|
             | 1747/70000 [00:19<14:19, 79.40it/s]
             | 1757/70000 [00:20<14:30, 78.37it/s]
3%1
             | 1771/70000 [00:20<12:42, 89.46it/s]
3%|
3%|
             | 1782/70000 [00:20<13:01, 87.29it/s]
3%|
             | 1792/70000 [00:20<13:15, 85.77it/s]
3%|
             | 1802/70000 [00:20<13:42, 82.87it/s]
3%|
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             | 1820/70000 [00:20<13:46, 82.52it/s]
3%1
3%|
             | 1829/70000 [00:20<13:54, 81.67it/s]
             | 1841/70000 [00:21<12:38, 89.86it/s]
3%1
3%|
             | 1851/70000 [00:21<12:21, 91.85it/s]
3%|
             | 1861/70000 [00:21<12:16, 92.47it/s]
3%|
             | 1873/70000 [00:21<11:35, 98.00it/s]
3%1
             | 1884/70000 [00:21<11:22, 99.83it/s]
3%|
             | 1895/70000 [00:21<12:29, 90.93it/s]
3%|
             | 1908/70000 [00:21<11:34, 98.11it/s]
3%|
             | 1919/70000 [00:21<12:29, 90.83it/s]
             | 1929/70000 [00:21<12:14, 92.73it/s]
3%|
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| 1941/70000 [00:22<11:34, 97.97it/s]
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3%|
             | 1952/70000 [00:22<11:46, 96.38it/s]
3%|
             | 1962/70000 [00:22<12:19, 91.99it/s]
3%|
             | 1972/70000 [00:22<16:14, 69.79it/s]
3%|
             | 1980/70000 [00:22<16:07, 70.31it/s]
             | 1990/70000 [00:22<14:44, 76.92it/s]
3%|
3%1
             | 1999/70000 [00:22<14:52, 76.20it/s]
             | 2009/70000 [00:22<14:42, 77.03it/s]
3%1
3%|
             | 2022/70000 [00:23<12:54, 87.74it/s]
3%|
             | 2032/70000 [00:23<12:36, 89.87it/s]
3%|
             | 2044/70000 [00:23<11:59, 94.48it/s]
             | 2054/70000 [00:23<14:05, 80.34it/s]
3%1
3%|
             | 2064/70000 [00:23<13:29, 83.90it/s]
3%|
             | 2076/70000 [00:23<12:24, 91.22it/s]
3%|
             | 2086/70000 [00:23<13:21, 84.75it/s]
3%1
             | 2097/70000 [00:23<12:31, 90.32it/s]
             | 2107/70000 [00:24<12:16, 92.19it/s]
3%1
3%1
             | 2117/70000 [00:24<13:15, 85.30it/s]
             | 2126/70000 [00:24<14:07, 80.13it/s]
3%1
             | 2136/70000 [00:24<14:08, 79.95it/s]
3%|
3%|
             | 2148/70000 [00:24<13:13, 85.50it/s]
3%|
             | 2158/70000 [00:24<12:50, 88.04it/s]
             | 2167/70000 [00:24<13:57, 80.96it/s]
3%1
3%|
             | 2177/70000 [00:24<13:36, 83.09it/s]
3%|
             | 2186/70000 [00:24<13:32, 83.42it/s]
3%|
             | 2199/70000 [00:25<12:27, 90.69it/s]
3%|
             | 2210/70000 [00:25<12:07, 93.24it/s]
3%|
             | 2220/70000 [00:25<11:58, 94.32it/s]
3%1
             | 2231/70000 [00:25<11:29, 98.25it/s]
             | 2241/70000 [00:25<16:31, 68.36it/s]
3%|
             | 2252/70000 [00:25<14:51, 75.99it/s]
3%|
             | 2262/70000 [00:25<13:52, 81.37it/s]
3%|
3%|
             | 2272/70000 [00:25<13:58, 80.75it/s]
3%|
             | 2285/70000 [00:26<12:30, 90.19it/s]
3%|
             | 2296/70000 [00:26<11:53, 94.83it/s]
3%|
             | 2307/70000 [00:26<12:20, 91.39it/s]
3%|
             | 2318/70000 [00:26<11:57, 94.36it/s]
3%1
             | 2328/70000 [00:26<12:58, 86.96it/s]
3%|
             | 2338/70000 [00:26<13:06, 86.05it/s]
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             | 2350/70000 [00:26<12:25, 90.71it/s]
             | 2362/70000 [00:26<11:32, 97.67it/s]
3%1
             | 2373/70000 [00:27<12:39, 89.00it/s]
3%|
3%|
             | 2384/70000 [00:27<13:07, 85.81it/s]
3%|
             | 2398/70000 [00:27<14:49, 76.02it/s]
             | 2407/70000 [00:27<14:18, 78.75it/s]
3%|
             | 2419/70000 [00:27<13:20, 84.39it/s]
3%|
3%|
             | 2433/70000 [00:27<11:48, 95.39it/s]
             2444/70000 [00:27<12:52, 87.50it/s]
3%|
4 % |
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             | 2468/70000 [00:28<12:14, 91.93it/s]
4%|
             | 2478/70000 [00:28<12:02, 93.52it/s]
4%|
             | 2488/70000 [00:28<14:32, 77.40it/s]
4 % |
4%|
             | 2503/70000 [00:28<12:54, 87.19it/s]
4%|
             | 2513/70000 [00:28<12:42, 88.54it/s]
4%|
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             | 2532/70000 [00:28<13:54, 80.89it/s]
4%|
             | 2546/70000 [00:29<12:20, 91.03it/s]
4 % |
4%|
             | 2556/70000 [00:29<12:45, 88.09it/s]
             | 2571/70000 [00:29<11:13, 100.09it/s]
4%|
4%1
             | 2585/70000 [00:29<10:20, 108.69it/s]
4%|
             | 2597/70000 [00:29<10:03, 111.61it/s]
             | 2609/70000 [00:29<09:52, 113.80it/s]
4%1
4 % |
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             | 2632/70000 [00:29<13:56, 80.52it/s]
4%|
4%|
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4%|
             | 2651/70000 [00:30<16:32, 67.86it/s]
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4%|
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4%|
             | 2688/70000 [00:30<12:18, 91.10it/s]
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             | 2701/70000 [00:30<11:15, 99.66it/s]
4%|
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             | 2724/70000 [00:31<14:59, 74.76it/s]
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4%|
             | 2744/70000 [00:31<15:42, 71.36it/s]
4%|
             | 2754/70000 [00:31<14:26, 77.58it/s]
4%|
             | 2763/70000 [00:31<13:56, 80.34it/s]
4%|
             | 2772/70000 [00:31<14:38, 76.57it/s]
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4%|
             | 2781/70000 [00:31<16:28, 68.01it/s]
             | 2789/70000 [00:31<15:49, 70.82it/s]
4%1
4%1
             | 2797/70000 [00:32<16:07, 69.44it/s]
4%|
             | 2811/70000 [00:32<14:49, 75.50it/s]
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             | 2822/70000 [00:32<15:48, 70.84it/s]
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             | 2830/70000 [00:32<15:35, 71.80it/s]
             | 2841/70000 [00:32<13:58, 80.06it/s]
4%|
4%|
             | 2852/70000 [00:32<13:00, 86.08it/s]
4%|
             | 2862/70000 [00:32<15:03, 74.28it/s]
4%|
             | 2871/70000 [00:33<15:01, 74.44it/s]
4%|
             | 2882/70000 [00:33<13:38, 81.97it/s]
4 % |
             | 2894/70000 [00:33<12:22, 90.37it/s]
             | 2906/70000 [00:33<11:30, 97.19it/s]
4%1
             | 2917/70000 [00:33<12:10, 91.84it/s]
4%|
             | 2927/70000 [00:33<13:07, 85.18it/s]
4%|
4%|
             | 2941/70000 [00:33<11:36, 96.34it/s]
4%|
             | 2952/70000 [00:33<11:15, 99.20it/s]
             | 2964/70000 [00:33<10:45, 103.78it/s]
4%1
4%|
             | 2975/70000 [00:34<10:50, 103.04it/s]
4%|
             | 2986/70000 [00:34<11:04, 100.91it/s]
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               3007/70000 [00:34<12:23, 90.13it/s]
             | 3020/70000 [00:34<11:21, 98.26it/s]
4%|
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4 % |
             | 3044/70000 [00:34<10:28, 106.47it/s]
4%|
4%|
             | 3055/70000 [00:34<12:21, 90.28it/s]
4 % |
             | 3065/70000 [00:34<12:07, 91.96it/s]
4%|
             | 3075/70000 [00:35<14:16, 78.13it/s]
             | 3084/70000 [00:35<15:03, 74.05it/s]
4%1
             | 3093/70000 [00:35<14:19, 77.81it/s]
4%|
4%|
             | 3103/70000 [00:35<13:29, 82.63it/s]
4%|
             | 3112/70000 [00:35<13:15, 84.09it/s]
4 % |
               3124/70000 [00:35<12:10, 91.55it/s]
             -1
             | 3137/70000 [00:35<11:35, 96.21it/s]
4%|
             | 3147/70000 [00:35<11:54, 93.52it/s]
4%|
             | 3157/70000 [00:36<14:37, 76.20it/s]
5%|
5%|
             | 3166/70000 [00:36<14:19, 77.77it/s]
5%|
             | 3175/70000 [00:36<15:08, 73.56it/s]
5%|
             | 3186/70000 [00:36<13:44, 81.06it/s]
5% [
             | 3195/70000 [00:36<13:56, 79.86it/s]
5%|
             | 3204/70000 [00:36<15:34, 71.51it/s]
5%|
             | 3215/70000 [00:36<13:56, 79.86it/s]
             | 3226/70000 [00:36<13:09, 84.60it/s]
5%|
5%|
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             | 3268/70000 [00:37<11:52, 93.64it/s]
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5%|
             | 3278/70000 [00:37<13:08, 84.59it/s]
5%]
             | 3291/70000 [00:37<12:14, 90.77it/s]
5%|
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5%|
             | 3317/70000 [00:37<11:21, 97.87it/s]
5%|
             | 3330/70000 [00:38<10:48, 102.74it/s]
5%|
             | 3342/70000 [00:38<11:17, 98.42it/s]
5%|
             | 3353/70000 [00:38<11:31, 96.39it/s]
5% [
               3364/70000 [00:38<12:46, 86.95it/s]
5%|
             | 3377/70000 [00:38<12:06, 91.76it/s]
             | 3387/70000 [00:38<13:51, 80.13it/s]
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             | 3396/70000 [00:38<14:29, 76.57it/s]
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5%|
             | 3405/70000 [00:38<15:19, 72.40it/s]
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             | 3413/70000 [00:39<16:02, 69.18it/s]
5%|
             | 3423/70000 [00:39<14:34, 76.11it/s]
5%|
             | 3432/70000 [00:39<16:27, 67.42it/s]
5%|
             | 3446/70000 [00:39<13:58, 79.41it/s]
5%|
             | 3459/70000 [00:39<12:28, 88.89it/s]
5%|
             | 3470/70000 [00:39<14:25, 76.89it/s]
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               3479/70000 [00:39<13:48, 80.30it/s]
5%|
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5%|
             | 3499/70000 [00:40<13:53, 79.83it/s]
5%|
             | 3508/70000 [00:40<17:16, 64.16it/s]
5%|
             | 3520/70000 [00:40<15:13, 72.80it/s]
5%|
             | 3529/70000 [00:40<14:46, 74.96it/s]
5%|
               3538/70000 [00:40<16:25, 67.45it/s]
             | 3552/70000 [00:40<14:03, 78.80it/s]
5%1
5%1
             | 3562/70000 [00:40<13:15, 83.48it/s]
5%|
             | 3572/70000 [00:41<15:09, 73.02it/s]
             3581/70000 [00:41<14:55, 74.20it/s]
5%1
             | 3591/70000 [00:41<13:52, 79.78it/s]
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5%|
               3616/70000 [00:41<13:23, 82.66it/s]
5%|
             | 3626/70000 [00:41<12:55, 85.63it/s]
5%|
               3635/70000 [00:41<12:58, 85.19it/s]
5%|
               3644/70000 [00:41<14:20, 77.09it/s]
5%|
               3656/70000 [00:42<13:03, 84.66it/s]
5%|
               3666/70000 [00:42<12:34, 87.95it/s]
5%1
             | 3676/70000 [00:42<12:43, 86.84it/s]
             | 3690/70000 [00:42<11:24, 96.85it/s]
5%|
5%|
             | 3701/70000 [00:42<11:10, 98.87it/s]
5%|
             | 3712/70000 [00:42<11:31, 95.84it/s]
5%|
               3722/70000 [00:42<12:00, 91.98it/s]
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             | 3732/70000 [00:42<12:27, 88.65it/s]
5%|
             | 3742/70000 [00:42<12:05, 91.32it/s]
5%|
             | 3752/70000 [00:43<13:12, 83.58it/s]
5%|
             | 3762/70000 [00:43<13:16, 83.17it/s]
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             | 3812/70000 [00:43<14:06, 78.20it/s]
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             | 3821/70000 [00:43<14:07, 78.10it/s]
5%|
               3830/70000
                           [00:44<15:00, 73.45it/s]
5%|
             | 3842/70000 [00:44<13:25, 82.10it/s]
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             | 3851/70000 [00:44<15:35, 70.74it/s]
6%|
             | 3859/70000 [00:44<15:29, 71.17it/s]
681
             | 3873/70000 [00:44<13:24, 82.23it/s]
681
               3884/70000 [00:44<13:55, 79.14it/s]
681
               3893/70000 [00:44<13:41, 80.43it/s]
             | 3902/70000 [00:44<14:08, 77.90it/s]
6%1
6%1
             | 3914/70000 [00:45<12:44, 86.40it/s]
681
             | 3927/70000 [00:45<11:31, 95.53it/s]
             | 3938/70000 [00:45<11:33, 95.26it/s]
681
6%|
               3948/70000 [00:45<11:53, 92.58it/s]
             | 3959/70000 [00:45<11:19, 97.19it/s]
6%1
             | 3970/70000 [00:45<14:01, 78.50it/s]
6%|
6%|
             | 3983/70000 [00:45<13:07, 83.81it/s]
6%|
             | 3993/70000 [00:45<12:58, 84.80it/s]
681
             | 4004/70000 [00:46<12:17, 89.44it/s]
             | 4015/70000 [00:46<11:57, 92.02it/s]
6%|
6%1
             | 4029/70000 [00:46<10:49, 101.55it/s]
             | 4041/70000 [00:46<10:32, 104.30it/s]
681
             | 4052/70000 [00:46<12:32, 87.63it/s]
6%|
             | 4062/70000 [00:46<14:36, 75.27it/s]
6%1
               4077/70000
                           [00:46<12:42, 86.43it/s]
             | 4087/70000 [00:46<13:12, 83.16it/s]
681
681
             | 4097/70000 [00:47<12:40, 86.66it/s]
6%1
             | 4107/70000 [00:47<12:43, 86.29it/s]
6%|
             | 4118/70000 [00:47<12:22, 88.79it/s]
6%1
             | 4128/70000 [00:47<15:14, 72.04it/s]
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             | 4149/70000 [00:47<13:11, 83.21it/s]
681
             | 4160/70000 [00:47<12:34, 87.24it/s]
6%|
681
             | 4175/70000 [00:47<11:05, 98.94it/s]
6%|
             | 4186/70000 [00:48<12:00, 91.39it/s]
               4197/70000
                           [00:48<11:23, 96.26it/s]
6%|
6%1
             | 4208/70000 [00:48<12:40, 86.48it/s]
             | 4219/70000 [00:48<11:56, 91.85it/s]
6%1
6%|
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             | 4239/70000 [00:48<12:23, 88.50it/s]
681
             | 4253/70000 [00:48<11:09, 98.25it/s]
6%1
             | 4264/70000 [00:48<12:43, 86.13it/s]
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6%1
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681
             | 4301/70000 [00:49<10:50, 101.02it/s]
             4312/70000 [00:49<10:44, 101.85it/s]
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6%|
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             | 4334/70000 [00:49<11:00, 99.35it/s]
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             | 4345/70000 [00:49<11:12, 97.69it/s]
6%|
             | 4355/70000 [00:49<13:33, 80.71it/s]
             | 4365/70000 [00:49<13:03, 83.74it/s]
6%|
6%|
             | 4374/70000 [00:50<13:45, 79.53it/s]
             | 4383/70000 [00:50<14:12, 76.99it/s]
6%|
             | 4394/70000 [00:50<12:56, 84.53it/s]
681
             | 4403/70000 [00:50<12:42, 86.00it/s]
6%|
6%|
             | 4413/70000 [00:50<13:16, 82.37it/s]
6%1
             | 4424/70000 [00:50<12:17, 88.90it/s]
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| 4434/70000 [00:50<12:13, 89.39it/s]
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6%|
             | 4444/70000 [00:50<11:50, 92.28it/s]
6%|
             | 4454/70000 [00:50<11:46, 92.73it/s]
6%|
             | 4464/70000 [00:51<12:37, 86.46it/s]
6%|
             | 4473/70000 [00:51<13:57, 78.26it/s]
6%|
             | 4485/70000 [00:51<12:34, 86.79it/s]
6%|
             | 4495/70000 [00:51<12:08, 89.92it/s]
             | 4507/70000 [00:51<11:14, 97.08it/s]
6%|
6%1
             | 4518/70000 [00:51<11:47, 92.60it/s]
             | 4528/70000 [00:51<12:08, 89.85it/s]
6%|
6%|
             | 4539/70000 [00:51<12:15, 89.01it/s]
6%|
             | 4549/70000 [00:52<11:59, 90.98it/s]
7%|
             | 4563/70000 [00:52<10:46, 101.18it/s]
7%|
             | 4574/70000 [00:52<10:56, 99.65it/s]
7%|
             | 4592/70000 [00:52<09:34, 113.93it/s]
7%|
             | 4605/70000 [00:52<11:05, 98.32it/s]
7%|
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7%|
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7%|
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7%|
             | 4673/70000 [00:53<13:23, 81.27it/s]
7%|
             | 4682/70000 [00:53<14:14, 76.41it/s]
             | 4692/70000 [00:53<14:06, 77.16it/s]
7%|
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7%|
7%|
             | 4711/70000 [00:53<12:57, 83.99it/s]
7%|
             | 4723/70000 [00:53<11:54, 91.39it/s]
7%|
             | 4733/70000 [00:54<13:24, 81.13it/s]
7%|
             | 4742/70000 [00:54<14:16, 76.15it/s]
7%|
             | 4752/70000 [00:54<13:22, 81.27it/s]
7%|
             | 4764/70000 [00:54<12:23, 87.78it/s]
7%|
             | 4774/70000 [00:54<12:01, 90.44it/s]
7%|
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7%|
             | 4799/70000 [00:54<13:11, 82.39it/s]
7%|
             | 4810/70000 [00:54<12:14, 88.70it/s]
7%|
             | 4820/70000 [00:55<13:39, 79.51it/s]
            | 4830/70000 [00:55<13:30, 80.44it/s]
7%|
7%|
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7%|
             | 4852/70000 [00:55<12:11, 89.00it/s]
7%|
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7%|
             | 4871/70000 [00:55<13:40, 79.40it/s]
7%|
             | 4880/70000 [00:55<13:59, 77.55it/s]
7%|
             | 4888/70000 [00:55<14:38, 74.14it/s]
7%|
             | 4899/70000 [00:56<13:42, 79.16it/s]
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             | 4909/70000 [00:56<12:58, 83.57it/s]
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7%|
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7%|
             | 4998/70000 [00:57<10:46, 100.55it/s]
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7%|
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7%|
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7%|
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             | 5055/70000 [00:57<10:56, 98.95it/s]
7%|
7%|
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7%|
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7%|
             | 5097/70000 [00:57<09:44, 110.99it/s]
7%|
               5109/70000 [00:58<11:01, 98.03it/s]
7%|
             | 5120/70000 [00:58<12:45, 84.71it/s]
7%|
             | 5136/70000 [00:58<11:08, 96.96it/s]
7%|
             | 5148/70000 [00:58<10:43, 100.79it/s]
7%|
             | 5159/70000 [00:58<11:37, 92.91it/s]
7%|
             | 5170/70000 [00:58<11:29, 94.02it/s]
             | 5183/70000 [00:58<10:34, 102.13it/s]
7%|
7%|
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7%|
             | 5205/70000 [00:59<11:01, 97.90it/s]
7%|
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7%|
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7%|
             | 5238/70000 [00:59<12:52, 83.78it/s]
7%|
             | 5247/70000 [00:59<14:01, 76.99it/s]
8%|
             | 5261/70000 [00:59<12:10, 88.63it/s]
8%|
             | 5271/70000 [01:00<17:51, 60.42it/s]
8%|
            | 5281/70000 [01:00<15:48, 68.24it/s]
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8%|
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8%|
               5299/70000 [01:00<15:30, 69.56it/s]
8%1
               5307/70000 [01:00<21:48, 49.44it/s]
             | 5321/70000 [01:00<17:49, 60.50it/s]
8%1
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8%1
             | 5340/70000 [01:01<16:39, 64.70it/s]
8%1
             | 5353/70000 [01:01<14:09, 76.09it/s]
8%1
8%|
             | 5363/70000 [01:01<13:25, 80.27it/s]
             | 5373/70000 [01:01<12:46, 84.28it/s]
8%|
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8%1
8%|
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8%|
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8%|
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8%|
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8%1
8%|
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8%|
             | 5508/70000 [01:02<12:49, 83.86it/s]
8%|
             | 5518/70000 [01:03<14:00, 76.69it/s]
8%|
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8%|
            | 5569/70000 [01:03<14:03, 76.37it/s]
881
8%|
             | 5578/70000 [01:03<13:57, 76.90it/s]
8%|
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             | 5605/70000 [01:04<12:48, 83.79it/s]
881
8%|
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8%|
             | 5626/70000 [01:04<11:49, 90.79it/s]
8%|
             | 5637/70000 [01:04<11:40, 91.89it/s]
8%|
             | 5647/70000 [01:04<11:26, 93.70it/s]
             | 5662/70000 [01:04<10:24, 102.96it/s]
8%1
8%|
             | 5673/70000 [01:04<11:29, 93.32it/s]
8%|
             | 5683/70000 [01:04<11:35, 92.45it/s]
8%|
            | 5693/70000 [01:05<11:19, 94.57it/s]
8%|
             | 5703/70000 [01:05<11:57, 89.67it/s]
8%|
             | 5713/70000 [01:05<12:32, 85.43it/s]
             | 5727/70000 [01:05<11:10, 95.83it/s]
8%1
8%1
             | 5743/70000 [01:05<10:17, 104.04it/s]
8%|
             | 5756/70000 [01:05<09:44, 109.93it/s]
881
             | 5768/70000 [01:05<11:25, 93.66it/s]
8%|
               5779/70000 [01:05<11:34, 92.48it/s]
             | 5789/70000 [01:06<11:33, 92.56it/s]
8%|
8%|
            | 5799/70000 [01:06<12:18, 86.92it/s]
             | 5809/70000 [01:06<12:49, 83.45it/s]
8%1
881
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8%|
             | 5831/70000 [01:06<13:21, 80.05it/s]
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8%|
8%|
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8%1
8%|
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8%|
             | 5890/70000 [01:07<10:36, 100.77it/s]
8%|
             | 5901/70000 [01:07<11:24, 93.61it/s]
             | 5915/70000 [01:07<10:40, 100.02it/s]
8%|
8%|
             | 5929/70000 [01:07<11:33, 92.45it/s]
             | 5941/70000 [01:07<10:55, 97.74it/s]
8%|
981
             | 5952/70000 [01:07<10:58, 97.23it/s]
981
             | 5965/70000 [01:07<10:12, 104.56it/s]
9%|
             | 5976/70000 [01:07<10:58, 97.27it/s]
             | 5987/70000 [01:08<11:18, 94.39it/s]
9%1
             | 5998/70000 [01:08<11:01, 96.71it/s]
9%1
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9%|
981
             | 6022/70000 [01:08<10:12, 104.50it/s]
               6033/70000 [01:08<10:41, 99.65it/s]
9%|
             | 6044/70000 [01:08<10:32, 101.08it/s]
9%1
9%|
             | 6055/70000 [01:08<11:14, 94.76it/s]
9%|
             | 6066/70000 [01:08<10:48, 98.64it/s]
981
             | 6077/70000 [01:08<10:29, 101.47it/s]
981
               6088/70000 [01:09<13:16, 80.21it/s]
9%|
               6097/70000 [01:09<13:08, 81.09it/s]
9%1
             | 6108/70000 [01:09<12:27, 85.46it/s]
9%1
             | 6119/70000 [01:09<11:46, 90.38it/s]
9%1
             | 6130/70000 [01:09<11:12, 95.03it/s]
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| 6140/70000 [01:09<13:08, 81.01it/s]
 9%|
 9%|
                6155/70000 [01:09<11:28, 92.71it/s]
 9%|
                6166/70000 [01:10<11:51, 89.69it/s]
 9%1
              | 6176/70000 [01:10<12:13, 86.95it/s]
 9%1
              | 6186/70000 [01:10<13:51, 76.78it/s]
 981
              | 6199/70000 [01:10<12:26, 85.46it/s]
 9%1
              | 6211/70000 [01:10<11:23, 93.29it/s]
 9%|
              | 6222/70000 [01:10<12:31, 84.91it/s]
 9%|
              | 6232/70000 [01:10<12:55, 82.26it/s]
 9%|
              | 6243/70000 [01:10<12:21, 86.00it/s]
              | 6252/70000 [01:11<14:12, 74.79it/s]
 9%|
 981
              | 6263/70000 [01:11<13:00, 81.62it/s]
 9%|
              | 6276/70000 [01:11<11:46, 90.25it/s]
 9%|
                6286/70000 [01:11<11:41, 90.77it/s]
              | 6299/70000 [01:11<10:53, 97.45it/s]
 9%1
 9%1
              | 6310/70000 [01:11<10:54, 97.36it/s]
 9%|
              | 6321/70000 [01:11<10:40, 99.48it/s]
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              | 6354/70000 [01:12<11:39, 91.04it/s]
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 9%|
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 981
              | 6382/70000 [01:12<12:31, 84.63it/s]
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              | 6414/70000 [01:12<11:10, 94.84it/s]
 9%|
 9%|
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 9%1
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              | 6487/70000 [01:13<11:17, 93.71it/s]
 9%1
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              | 6497/70000 [01:13<12:38, 83.75it/s]
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                6518/70000 [01:13<13:13, 80.05it/s]
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 9%1
              | 6539/70000 [01:14<12:16, 86.22it/s]
 981
              | 6548/70000 [01:14<12:31, 84.47it/s]
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              | 6558/70000 [01:14<11:59, 88.16it/s]
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              | 6571/70000 [01:14<10:51, 97.33it/s]
              | 6582/70000 [01:14<12:11, 86.70it/s]
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 9%|
              | 6596/70000 [01:14<10:50, 97.44it/s]
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              | 6609/70000 [01:14<10:32, 100.23it/s]
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10%|
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10%|
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10%Ⅰ
              | 6702/70000 [01:15<10:21, 101.78it/s]
              | 6713/70000 [01:15<11:07, 94.77it/s]
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10%|
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10%|
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10%|
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                6939/70000 [01:18<11:28, 91.53it/s]
10%|
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              | 6960/70000 [01:18<10:50, 96.90it/s]
10%|
              | 6970/70000 [01:18<10:49, 97.06it/s]
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10%|
                7001/70000 [01:19<12:25, 84.49it/s]
              | 7010/70000 [01:19<12:17, 85.40it/s]
              | 7019/70000 [01:19<12:14, 85.80it/s]
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             | 7029/70000 [01:19<11:46, 89.12it/s]
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10%|
             | 7039/70000 [01:19<11:51, 88.43it/s]
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10%|
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              | 7059/70000 [01:19<11:42, 89.53it/s]
              | 7069/70000 [01:19<12:34, 83.45it/s]
10%|
10%|
             | 7083/70000 [01:19<11:02, 94.96it/s]
10%|
             | 7097/70000 [01:20<10:09, 103.19it/s]
             7108/70000 [01:20<12:52, 81.42it/s]
10%|
10%|
                7124/70000 [01:20<11:21, 92.24it/s]
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             | 7148/70000 [01:20<11:17, 92.79it/s]
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             | 7240/70000 [01:21<11:33, 90.53it/s]
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10%|
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10%|
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             | 7398/70000 [01:23<12:28, 83.64it/s]
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11%|
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             | 7419/70000 [01:23<12:16, 84.92it/s]
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             | 7467/70000 [01:24<10:51, 96.00it/s]
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             | 7478/70000 [01:24<11:04, 94.12it/s]
11%|
             | 7488/70000 [01:24<11:44, 88.78it/s]
11%|
              | 7501/70000 [01:24<10:40, 97.59it/s]
              | 7514/70000 [01:24<10:09, 102.55it/s]
11%|
             | 7525/70000 [01:24<10:26, 99.68it/s]
11%|
             | 7536/70000 [01:25<10:24, 100.03it/s]
11%|
             | 7547/70000 [01:25<10:18, 101.01it/s]
11%|
             | 7558/70000 [01:25<11:31, 90.24it/s]
              | 7568/70000 [01:25<12:12, 85.22it/s]
             | 7577/70000 [01:25<13:08, 79.20it/s]
11%|
             | 7586/70000 [01:25<12:45, 81.55it/s]
11%|
11%|
             | 7595/70000 [01:25<14:34, 71.38it/s]
11%|
             | 7603/70000 [01:25<15:39, 66.40it/s]
11%|
                7610/70000 [01:26<16:13, 64.12it/s]
              | 7620/70000 [01:26<14:45, 70.42it/s]
11%|
             | 7628/70000 [01:26<16:08, 64.41it/s]
11%|
             | 7639/70000 [01:26<14:44, 70.53it/s]
11%|
             | 7650/70000 [01:26<13:16, 78.31it/s]
11%|
              | 7659/70000 [01:26<12:55, 80.35it/s]
              | 7672/70000 [01:26<11:44, 88.44it/s]
11%|
              | 7682/70000 [01:26<12:00, 86.48it/s]
11%|
             | 7693/70000 [01:27<11:24, 90.97it/s]
11%|
              | 7703/70000 [01:27<11:08, 93.18it/s]
11%|
              | 7713/70000 [01:27<10:55, 95.01it/s]
11%|
                7727/70000 [01:27<10:32, 98.45it/s]
11%|
              | 7742/70000 [01:27<09:43, 106.76it/s]
11%|
             | 7753/70000 [01:27<10:05, 102.88it/s]
11%|
             | 7764/70000 [01:27<12:12, 85.00it/s]
11%|
              | 7774/70000 [01:27<12:18, 84.27it/s]
11%|
              | 7783/70000 [01:27<12:07, 85.50it/s]
11%|
              | 7792/70000 [01:28<12:33, 82.55it/s]
11%1
              | 7804/70000 [01:28<11:25, 90.71it/s]
              | 7814/70000 [01:28<11:40, 88.71it/s]
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| 7825/70000 [01:28<11:02, 93.91it/s]
11%|
11%|
                       | 7835/70000 [01:28<12:12, 84.86it/s]
11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 11% | 
                       | 7846/70000 [01:28<11:29, 90.17it/s]
                          7857/70000 [01:28<10:59, 94.21it/s]
                       | 7868/70000 [01:28<10:49, 95.70it/s]
11%|
                       | 7878/70000 [01:28<11:05, 93.38it/s]
11%|
                       | 7890/70000 [01:29<10:23, 99.64it/s]
                      7901/70000 [01:29<10:10, 101.65it/s]
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                          7912/70000 [01:29<12:07, 85.30it/s]
                       | 7924/70000 [01:29<11:13, 92.17it/s]
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                       | 7935/70000 [01:29<10:46, 96.06it/s]
                       | 7946/70000 [01:29<10:51, 95.29it/s]
11%|
                       | 7956/70000 [01:29<13:48, 74.88it/s]
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                       | 7965/70000 [01:30<13:40, 75.61it/s]
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                          7976/70000 [01:30<12:27, 82.97it/s]
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                       | 7988/70000 [01:30<11:22, 90.84it/s]
11%|
                      | 7998/70000 [01:30<12:11, 84.75it/s]
11%|
                      | 8008/70000 [01:30<12:02, 85.84it/s]
                      | 8017/70000 [01:30<11:57, 86.42it/s]
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11%|
                      | 8028/70000 [01:30<11:24, 90.50it/s]
11%|
                       | 8038/70000 [01:30<11:54, 86.70it/s]
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                      | 8049/70000 [01:30<11:30, 89.74it/s]
                       | 8059/70000 [01:31<11:34, 89.22it/s]
12%|
12%|
                       | 8069/70000 [01:31<12:15, 84.24it/s]
12%|
                      | 8078/70000 [01:31<13:20, 77.36it/s]
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                       | 8087/70000 [01:31<13:04, 78.88it/s]
                      | 8100/70000 [01:31<13:42, 75.30it/s]
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12%|
                      | 8114/70000 [01:31<12:04, 85.37it/s]
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                      | 8127/70000 [01:31<11:14, 91.67it/s]
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                      | 8140/70000 [01:31<10:41, 96.46it/s]
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                      | 8151/70000 [01:32<14:07, 72.96it/s]
                       | 8160/70000 [01:32<14:15, 72.26it/s]
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                      | 8169/70000 [01:32<13:36, 75.72it/s]
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                       | 8185/70000 [01:32<11:32, 89.32it/s]
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                       | 8196/70000 [01:32<12:04, 85.29it/s]
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                      | 8206/70000 [01:32<12:08, 84.84it/s]
                       | 8216/70000 [01:32<11:45, 87.62it/s]
12%|
                      | 8229/70000 [01:33<10:37, 96.93it/s]
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                      | 8240/70000 [01:33<11:16, 91.24it/s]
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                      | 8252/70000 [01:33<10:30, 97.86it/s]
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                      | 8263/70000 [01:33<13:06, 78.51it/s]
12%|
                      | 8272/70000 [01:33<13:25, 76.60it/s]
                       | 8281/70000 [01:33<12:58, 79.29it/s]
12%|
                      | 8290/70000 [01:33<12:35, 81.65it/s]
12%Ⅰ
                       | 8302/70000 [01:33<11:34, 88.85it/s]
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12%|
                       | 8313/70000 [01:34<11:25, 90.03it/s]
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                      | 8329/70000 [01:34<11:06, 92.50it/s]
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                       | 8339/70000 [01:34<11:53, 86.40it/s]
                       | 8348/70000 [01:34<12:55, 79.54it/s]
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                      | 8357/70000 [01:34<13:09, 78.09it/s]
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                      | 8368/70000 [01:34<12:02, 85.30it/s]
                      | 8377/70000 [01:34<14:09, 72.58it/s]
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                       | 8403/70000 [01:35<11:36, 88.38it/s]
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                      | 8413/70000 [01:35<15:00, 68.38it/s]
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                       | 8436/70000 [01:35<13:53, 73.84it/s]
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                       | 8458/70000 [01:35<13:01, 78.80it/s]
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                       | 8470/70000 [01:35<11:44, 87.29it/s]
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                      | 8480/70000 [01:36<11:47, 86.99it/s]
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                      | 8490/70000 [01:36<12:17, 83.38it/s]
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                      | 8499/70000 [01:36<12:19, 83.22it/s]
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                       | 8509/70000 [01:36<12:15, 83.60it/s]
                       | 8518/70000 [01:36<13:40, 74.93it/s]
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                       | 8529/70000 [01:36<12:32, 81.67it/s]
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                       | 8538/70000 [01:36<14:12, 72.12it/s]
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                       | 8551/70000 [01:36<12:21, 82.86it/s]
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                       | 8561/70000 [01:36<11:43, 87.33it/s]
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                       | 8576/70000 [01:37<10:19, 99.20it/s]
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                       | 8587/70000 [01:37<10:46, 94.93it/s]
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                      | 8601/70000 [01:37<09:46, 104.71it/s]
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                       | 8613/70000 [01:37<10:00, 102.25it/s]
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                       | 8624/70000 [01:37<13:32, 75.58it/s]
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                       | 8633/70000 [01:37<13:20, 76.66it/s]
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                       | 8642/70000 [01:37<13:11, 77.55it/s]
                       L 8652/70000 [01:37<12:23, 82.50it/s]
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              | 8661/70000 [01:38<12:25, 82.32it/s]
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              | 8671/70000 [01:38<11:50, 86.27it/s]
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              | 8682/70000 [01:38<11:35, 88.15it/s]
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              | 8696/70000 [01:38<10:58, 93.07it/s]
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              | 8707/70000 [01:38<10:34, 96.54it/s]
              | 8720/70000 [01:38<10:10, 100.32it/s]
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              | 8731/70000 [01:38<11:14, 90.84it/s]
              | 8744/70000 [01:38<10:27, 97.68it/s]
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              | 8756/70000 [01:39<10:13, 99.90it/s]
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              | 8773/70000 [01:39<09:05, 112.29it/s]
              | 8785/70000 [01:39<09:43, 104.87it/s]
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              | 8797/70000 [01:39<10:51, 93.97it/s]
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              | 8808/70000 [01:39<11:46, 86.59it/s]
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              | 8821/70000 [01:39<10:44, 94.88it/s]
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              | 8833/70000 [01:39<10:14, 99.62it/s]
              | 8845/70000 [01:39<09:45, 104.49it/s]
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              | 8856/70000 [01:40<10:13, 99.68it/s]
              | 8867/70000 [01:40<10:02, 101.40it/s]
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              | 8881/70000 [01:40<09:24, 108.34it/s]
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              | 8893/70000 [01:40<10:32, 96.60it/s]
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              | 8904/70000 [01:40<11:12, 90.86it/s]
              | 8914/70000 [01:40<11:37, 87.61it/s]
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              | 8927/70000 [01:40<10:39, 95.45it/s]
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              | 8937/70000 [01:40<10:42, 95.07it/s]
              | 8947/70000 [01:41<12:07, 83.89it/s]
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              | 8958/70000 [01:41<11:20, 89.64it/s]
              | 8968/70000 [01:41<11:22, 89.41it/s]
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              | 8978/70000 [01:41<11:30, 88.41it/s]
              | 8988/70000 [01:41<12:57, 78.45it/s]
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              | 9000/70000 [01:41<11:46, 86.35it/s]
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              | 9010/70000 [01:41<12:05, 84.11it/s]
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              | 9022/70000 [01:41<11:03, 91.94it/s]
              | 9032/70000 [01:42<13:51, 73.28it/s]
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              | 9043/70000 [01:42<12:58, 78.31it/s]
13%|
              | 9054/70000 [01:42<11:58, 84.80it/s]
13%|
              | 9064/70000 [01:42<11:31, 88.08it/s]
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              | 9076/70000 [01:42<10:51, 93.52it/s]
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              | 9101/70000 [01:42<11:07, 91.29it/s]
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              | 9111/70000 [01:42<11:42, 86.73it/s]
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              | 9121/70000 [01:43<12:00, 84.54it/s]
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              | 9130/70000 [01:43<13:32, 74.96it/s]
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              | 9142/70000 [01:43<12:14, 82.85it/s]
1.3% Ⅰ
              | 9153/70000 [01:43<11:28, 88.37it/s]
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              | 9163/70000 [01:43<19:59, 50.73it/s]
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              | 9171/70000 [01:43<20:54, 48.48it/s]
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              | 9181/70000 [01:44<17:51, 56.75it/s]
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              | 9190/70000 [01:44<15:53, 63.80it/s]
              | 9198/70000 [01:44<17:36, 57.56it/s]
              | 9207/70000 [01:44<16:05, 62.98it/s]
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             | 9215/70000 [01:44<17:16, 58.67it/s]
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             | 9222/70000 [01:44<17:31, 57.80it/s]
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              | 9231/70000 [01:44<15:56, 63.50it/s]
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              | 9275/70000 [01:45<11:18, 89.49it/s]
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              | 9376/70000 [01:46<10:05, 100.12it/s]
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              | 9389/70000 [01:46<09:32, 105.92it/s]
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              | 9453/70000 [01:47<09:48, 102.89it/s]
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              | 9469/70000 [01:47<08:59, 112.10it/s]
              | 9481/70000 [01:47<09:28, 106.53it/s]
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              | 9493/70000 [01:47<10:11, 98.95it/s]
                9504/70000 [01:47<09:54, 101.70it/s]
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              I 9516/70000 [01:47<09:40. 104.27it/s]
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14%|
              | 9529/70000 [01:47<09:50, 102.41it/s]
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             | 9540/70000 [01:47<10:09, 99.14it/s]
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              | 9551/70000 [01:48<10:42, 94.10it/s]
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              | 9562/70000 [01:48<11:20, 88.86it/s]
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              | 9572/70000 [01:48<11:36, 86.70it/s]
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              | 9595/70000 [01:48<11:45, 85.59it/s]
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              | 9606/70000 [01:48<11:18, 89.05it/s]
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             | 9618/70000 [01:48<10:30, 95.83it/s]
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              | 9628/70000 [01:48<10:52, 92.51it/s]
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              | 9638/70000 [01:49<11:24, 88.12it/s]
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              | 9648/70000 [01:49<11:42, 85.89it/s]
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              | 9659/70000 [01:49<11:15, 89.28it/s]
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              | 9705/70000 [01:49<13:07, 76.54it/s]
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             | 9772/70000 [01:50<10:11, 98.53it/s]
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             | 9783/70000 [01:50<09:55, 101.05it/s]
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             | 9794/70000 [01:50<11:08, 90.11it/s]
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             | 9806/70000 [01:50<10:22, 96.67it/s]
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              | 9817/70000 [01:50<10:15, 97.80it/s]
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              | 9828/70000 [01:51<11:54, 84.20it/s]
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             | 9841/70000 [01:51<11:06, 90.22it/s]
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             | 9861/70000 [01:51<11:37, 86.28it/s]
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              | 9884/70000 [01:51<10:24, 96.27it/s]
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              | 9938/70000 [01:52<09:56, 100.64it/s]
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              | 9950/70000 [01:52<09:34, 104.59it/s]
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             | 9984/70000 [01:52<10:37, 94.16it/s]
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              | 10004/70000 [01:52<11:28, 87.12it/s]
              | 10016/70000 [01:53<10:46, 92.72it/s]
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              | 10026/70000 [01:53<10:39, 93.79it/s]
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              | 10039/70000 [01:53<10:02, 99.47it/s]
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             | 10050/70000 [01:53<11:36, 86.06it/s]
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              | 10060/70000 [01:53<13:22, 74.69it/s]
              | 10069/70000 [01:53<12:49, 77.85it/s]
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             | 10080/70000 [01:53<11:42, 85.29it/s]
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              | 10095/70000 [01:53<10:23, 96.01it/s]
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              | 10106/70000 [01:54<10:02, 99.42it/s]
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              | 10119/70000 [01:54<09:37, 103.69it/s]
14%|
              | 10130/70000 [01:54<09:57, 100.27it/s]
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              | 10141/70000 [01:54<10:36, 94.00it/s]
              | 10153/70000 [01:54<10:40, 93.47it/s]
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              | 10163/70000 [01:54<10:53, 91.54it/s]
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              | 10174/70000 [01:54<10:24, 95.73it/s]
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             | 10204/70000 [01:55<13:16, 75.04it/s]
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              | 10213/70000 [01:55<13:38, 73.04it/s]
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              | 10222/70000 [01:55<13:13, 75.38it/s]
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              | 10235/70000 [01:55<11:44, 84.78it/s]
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              | 10258/70000 [01:55<10:23, 95.83it/s]
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              | 10269/70000 [01:55<10:59, 90.53it/s]
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              | 10279/70000 [01:56<12:34, 79.16it/s]
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              | 10296/70000 [01:56<15:38, 63.61it/s]
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              | 10305/70000 [01:56<14:17, 69.63it/s]
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              | 10313/70000 [01:56<14:32, 68.40it/s]
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              | 10324/70000 [01:56<13:00, 76.48it/s]
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              | 10335/70000 [01:56<11:51, 83.90it/s]
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              | 10348/70000 [01:56<10:48, 91.98it/s]
              1 10358/70000 [01.57/10.33 94 14;+/s]
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              | 10378/70000 [01:57<13:10, 75.45it/s]
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              | 10436/70000 [01:57<10:24, 95.41it/s]
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                      | 11198/70000 [02:06<12:23, 79.08it/s]
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             | 12585/70000 [02:22<08:14, 116.13it/s]
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              | 12598/70000 [02:22<09:27, 101.14it/s]
18%|
             | 12609/70000 [02:22<10:12, 93.71it/s]
18%|
             | 12619/70000 [02:23<10:34, 90.40it/s]
18%|
              | 12629/70000 [02:23<13:03, 73.18it/s]
18%|
             | 12638/70000 [02:23<12:39, 75.48it/s]
18%|
             | 12647/70000 [02:23<12:59, 73.62it/s]
18%|
             | 12655/70000 [02:23<13:25, 71.22it/s]
18%|
             | 12666/70000 [02:23<12:00, 79.53it/s]
18%|
             | 12679/70000 [02:23<10:42, 89.21it/s]
18%|
              | 12689/70000 [02:23<11:29, 83.17it/s]
             | 12702/70000 [02:24<10:18, 92.70it/s]
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              | 12714/70000 [02:24<09:51, 96.84it/s]
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             | 12725/70000 [02:24<12:04, 79.08it/s]
             | 12736/70000 [02:24<11:07, 85.84it/s]
18%|
18%|
              | 12746/70000 [02:24<11:15, 84.71it/s]
18%|
             | 12761/70000 [02:24<09:57, 95.76it/s]
18%|
             | 12772/70000 [02:24<09:38, 98.85it/s]
              | 12783/70000 [02:24<11:09, 85.43it/s]
18%|
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| 12/94//0000 [UZ:Z5<1U:Z9, 9U.951t/S]
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18%|
              | 12805/70000 [02:25<09:56, 95.86it/s]
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              | 12816/70000 [02:25<11:16, 84.52it/s]
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              | 12828/70000 [02:25<10:26, 91.28it/s]
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              | 12838/70000 [02:25<10:48, 88.11it/s]
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              | 12851/70000 [02:25<10:05, 94.32it/s]
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              | 12911/70000 [02:26<12:24, 76.73it/s]
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              | 12948/70000 [02:26<10:03, 94.59it/s]
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              | 12958/70000 [02:26<11:17, 84.22it/s]
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              | 12973/70000 [02:27<09:50, 96.53it/s]
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              | 12984/70000 [02:27<09:29, 100.04it/s]
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              | 12995/70000 [02:27<09:46, 97.12it/s]
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              | 13009/70000 [02:27<09:55, 95.64it/s]
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              | 13019/70000 [02:27<11:06, 85.51it/s]
              | 13029/70000 [02:27<11:47, 80.48it/s]
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              | 13053/70000 [02:27<10:07, 93.69it/s]
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              | 13066/70000 [02:27<09:17, 102.21it/s]
              | 13082/70000 [02:28<08:20, 113.81it/s]
1981
19%|
              | 13095/70000 [02:28<08:31, 111.29it/s]
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              | 13107/70000 [02:28<08:31, 111.19it/s]
              | 13119/70000 [02:28<08:43, 108.76it/s]
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              | 13131/70000 [02:28<09:30, 99.64it/s]
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              | 13142/70000 [02:28<14:12, 66.70it/s]
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              | 13154/70000 [02:28<12:36, 75.19it/s]
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              | 13166/70000 [02:29<11:46, 80.44it/s]
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              | 13178/70000 [02:29<10:41, 88.61it/s]
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              | 13191/70000 [02:29<09:41, 97.62it/s]
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              | 13204/70000 [02:29<09:03, 104.53it/s]
              | 13216/70000 [02:29<09:35, 98.71it/s]
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              | 13248/70000 [02:29<10:29, 90.16it/s]
              | 13258/70000 [02:30<10:34, 89.39it/s]
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              | 13270/70000 [02:30<09:59, 94.59it/s]
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              | 13280/70000 [02:30<09:51, 95.88it/s]
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              | 13597/70000 [02:34<11:26, 82.13it/s]
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              | 13662/70000 [02:34<09:34, 98.02it/s]
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              | 13717/70000 [02:35<09:53, 94.86it/s]
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              | 13793/70000 [02:36<12:31, 74.83it/s]
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              | 13814/70000 [02:36<11:34, 80.90it/s]
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              | 13947/70000 [02:38<09:36, 97.20it/s]
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             | 13969/70000 [02:38<10:18, 90.54it/s]
             | 13981/70000 [02:38<09:45, 95.68it/s]
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             | 13994/70000 [02:38<09:20, 99.93it/s]
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             | 14005/70000 [02:38<10:31, 88.64it/s]
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              | 14061/70000 [02:39<10:15, 90.83it/s]
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              | 14071/70000 [02:39<11:27, 81.33it/s]
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             | 14080/70000 [02:39<11:09, 83.52it/s]
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             | 14089/70000 [02:39<11:02, 84.43it/s]
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              | 14100/70000 [02:39<10:21, 89.99it/s]
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             | 14264/70000 [02:41<09:47, 94.89it/s]
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             | 14275/70000 [02:41<10:44, 86.52it/s]
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              | 14289/70000 [02:41<09:36, 96.68it/s]
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              | 14329/70000 [02:41<08:37, 107.53it/s]
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             | 14342/70000 [02:42<08:18, 111.74it/s]
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              | 14366/70000 [02:42<10:18, 89.88it/s]
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              | 14376/70000 [02:42<10:31, 88.12it/s]
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              | 14388/70000 [02:42<13:09, 70.46it/s]
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             | 14397/70000 [02:42<12:54, 71.83it/s]
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             | 14411/70000 [02:42<11:06, 83.38it/s]
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              | 14421/70000 [02:43<11:08, 83.10it/s]
             | 14432/70000 [02:43<10:23, 89.12it/s]
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              | 14442/70000 [02:43<10:30, 88.18it/s]
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              | 14452/70000 [02:43<10:13, 90.59it/s]
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             | 14464/70000 [02:43<09:37, 96.20it/s]
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              | 14478/70000 [02:43<09:12, 100.58it/s]
              | 14489/70000 [02:43<09:55, 93.17it/s]
21%|
              | 14499/70000 [02:43<10:41, 86.52it/s]
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21%|
                            | 14509/70000 [02:44<10:34, 87.40it/s]
21%|
                               | 14518/70000 [02:44<11:05, 83.43it/s]
21%|
                              | 14528/70000 [02:44<10:37, 86.96it/s]
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                               | 14537/70000 [02:44<10:38, 86.84it/s]
21%|
                               | 14549/70000 [02:44<09:51, 93.80it/s]
21%|
                              | 14559/70000 [02:44<09:42, 95.26it/s]
21%|
                               | 14569/70000 [02:44<09:42, 95.24it/s]
21%|
                               | 14579/70000 [02:44<11:12, 82.45it/s]
21%|
                              | 14588/70000 [02:44<12:24, 74.45it/s]
21%|
                               | 14596/70000 [02:45<12:24, 74.44it/s]
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                              | 14634/70000 [02:45<10:49, 85.19it/s]
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                               | 14643/70000 [02:45<10:57, 84.24it/s]
                               | 14653/70000 [02:45<10:29, 87.91it/s]
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                               | 14841/70000 [02:47<11:15, 81.68it/s]
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                              | 14855/70000 [02:47<11:06, 82.75it/s]
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                               | 14865/70000 [02:48<10:36, 86.67it/s]
                              | 14874/70000 [02:48<10:57, 83.85it/s]
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                               | 14901/70000 [02:48<10:59, 83.56it/s]
                               | 14913/70000 [02:48<10:13, 89.79it/s]
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                              | 14925/70000 [02:48<09:34, 95.92it/s]
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                              | 14938/70000 [02:48<08:49, 104.01it/s]
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21%|
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21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 21% | 
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21%|
                               | 15025/70000 [02:49<10:33, 86.82it/s]
21%|
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21%|
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                               | 15056/70000 [02:50<10:56, 83.75it/s]
228|
                               | 15065/70000 [02:50<11:32, 79.33it/s]
                              | 15077/70000 [02:50<10:39, 85.91it/s]
22%|
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22%|
                              | 15102/70000 [02:50<09:22, 97.61it/s]
                               | 15114/70000 [02:50<09:08, 100.14it/s]
22%1
22%|
                               | 15125/70000 [02:50<09:19, 98.13it/s]
22%|
22%|
                               | 15136/70000 [02:50<09:34, 95.50it/s]
                               | 15149/70000 [02:51<08:54, 102.54it/s]
22%|
                               | 15165/70000 [02:51<08:26, 108.30it/s]
22%|
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22%|
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22%|
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                              | 15251/70000 [02:52<09:54, 92.02it/s]
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22%|
                               | 15263/70000 [02:52<09:45, 93.50it/s]
                               | 15274/70000 [02:52<09:53, 92.21it/s]
22%1
22%1
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22%1
                               | 15302/70000 [02:52<08:50, 103.13it/s]
2281
                               | 15313/70000 [02:52<08:54, 102.28it/s]
22%|
                               | 15326/70000 [02:52<08:48, 103.38it/s]
22%|
                               | 15337/70000 [02:52<09:28, 96.07it/s]
                               | 15347/70000 [02:53<10:54, 83.50it/s]
22%|
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228|
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22%|
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22%|
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22%|
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                      | 15536/70000 [02:55<13:14, 68.57it/s]
2281
22%|
                      | 15544/70000 [02:55<13:05, 69.30it/s]
22%|
                      | 15552/70000 [02:55<13:01, 69.67it/s]
22%|
                      | 15561/70000 [02:55<12:43, 71.33it/s]
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22%|
                      | 15612/70000 [02:56<10:43, 84.53it/s]
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22%|
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                      | 15645/70000 [02:56<09:59, 90.72it/s]
2281
22%|
                      | 15656/70000 [02:56<09:34, 94.59it/s]
22%|
                      | 15666/70000 [02:56<11:02, 82.01it/s]
22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 
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23%|
                      | 15757/70000 [02:57<09:20, 96.79it/s]
2.3%1
                      | 15770/70000 [02:57<08:43, 103.61it/s]
23%|
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| 15936/70000 [02:59<12:02, 74.82it/s]
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23%1
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              | 17245/70000 [03:14<12:10, 72.22it/s]
25%|
              | 17258/70000 [03:14<10:39, 82.49it/s]
25%1
              | 17268/70000 [03:14<10:06, 86.93it/s]
              | 17278/70000 [03:14<12:05, 72.70it/s]
25%|
25%|
              | 17287/70000 [03:14<11:29, 76.48it/s]
25%|
              | 17300/70000 [03:14<10:16, 85.55it/s]
25%|
              | 17310/70000 [03:15<11:14, 78.11it/s]
25%|
              | 17319/70000 [03:15<11:19, 77.57it/s]
25%|
              | 17329/70000 [03:15<10:38, 82.46it/s]
              | 17339/70000 [03:15<11:13, 78.14it/s]
25%1
2.5%1
              | 17349/70000 [03:15<10:30, 83.49it/s]
25%1
              | 17363/70000 [03:15<09:53, 88.71it/s]
25%|
              | 17374/70000 [03:15<09:22, 93.52it/s]
25%|
              | 17384/70000 [03:15<09:18, 94.25it/s]
25%1
              | 17397/70000 [03:16<08:42, 100.76it/s]
25%|
              | 17408/70000 [03:16<09:32, 91.88it/s]
25%|
              | 17418/70000 [03:16<10:38, 82.35it/s]
25%|
              | 17427/70000 [03:16<10:42, 81.82it/s]
25%|
              | 17436/70000 [03:16<12:34, 69.69it/s]
25%|
              | 17445/70000 [03:16<12:05, 72.47it/s]
              | 17457/70000 [03:16<11:25, 76.62it/s]
2.5%1
25%1
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              | 17478/70000 [03:17<10:01, 87.39it/s]
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              | 17497/70000 [03:17<11:40, 74.94it/s]
25%1
              | 17507/70000 [03:17<10:54, 80.26it/s]
              | 17522/70000 [03:17<09:30, 92.00it/s]
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25%|
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              | 17547/70000 [03:17<08:44, 100.02it/s]
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25%|
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              | 17654/70000 [03:19<09:36, 90.85it/s]
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2.5%1
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              | 17724/70000 [03:19<09:21, 93.09it/s]
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              | 17734/70000 [03:19<09:37, 90.53it/s]
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25%|
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25%|
              | 17787/70000 [03:20<10:18, 84.47it/s]
              | 17797/70000 [03:20<11:13, 77.49it/s]
25%|
25%|
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25%|
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              | 17827/70000 [03:20<09:48, 88.67it/s]
2.5%1
25%1
              | 17837/70000 [03:21<10:21, 83.90it/s]
25%1
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2.6%1
              | 17858/70000 [03:21<09:38, 90.20it/s]
             | 17868/70000 [03:21<09:32, 91.05it/s]
```

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26%|
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26%1
              | 17894/70000 [03:21<08:41, 99.94it/s]
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26%|
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26%|
              | 17925/70000 [03:21<10:18, 84.21it/s]
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              | 17956/70000 [03:22<10:01, 86.53it/s]
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26%1
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              | 18018/70000 [03:23<11:51, 73.05it/s]
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26%1
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              | 18086/70000 [03:24<11:27, 75.47it/s]
26%
              | 18094/70000 [03:24<13:08, 65.83it/s]
              | 18104/70000 [03:24<12:04, 71.62it/s]
2.6%1
26%1
              | 18113/70000 [03:24<11:26, 75.58it/s]
26%|
              | 18123/70000 [03:24<10:37, 81.35it/s]
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              | 18167/70000 [03:25<09:18, 92.79it/s]
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              | 18200/70000 [03:25<09:08, 94.38it/s]
26%|
              | 18210/70000 [03:25<09:27, 91.28it/s]
              | 18220/70000 [03:25<10:03, 85.87it/s]
2.6%1
26%|
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              | 18237/70000 [03:25<11:57, 72.16it/s]
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2.6%1
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2.6%1
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              | 18464/70000 [03:28<09:17, 92.39it/s]
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              | 18484/70000 [03:28<09:35, 89.48it/s]
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2.6%1
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26%|
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26%|
              | 18540/70000 [03:29<09:01, 95.04it/s]
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              | 18551/70000 [03:29<09:06, 94.07it/s]
              | 18564/70000 [03:29<08:55, 96.09it/s]
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              | 18585/70000 [03:29<09:17, 92.27it/s]
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27%|
              | 18629/70000 [03:30<12:00, 71.31it/s]
              | 18641/70000 [03:30<10:34, 80.90it/s]
27%|
27%1
              | 18651/70000 [03:30<10:36, 80.70it/s]
             | 18663/70000 [03:30<09:33, 89.48it/s]
27%1
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| 18675/70000 [03:30<09:01, 94.83it/s]
27%|
27%
              | 18686/70000 [03:31<09:41, 88.21it/s]
27%|
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              | 18709/70000 [03:31<08:40, 98.46it/s]
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              | 18720/70000 [03:31<08:31, 100.18it/s]
2.7%1
              | 18731/70000 [03:31<09:40, 88.29it/s]
27%
              | 18742/70000 [03:31<09:13, 92.69it/s]
27%|
              | 18752/70000 [03:31<09:38, 88.60it/s]
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              | 18762/70000 [03:31<11:35, 73.67it/s]
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              | 18771/70000 [03:32<12:49, 66.58it/s]
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              | 18779/70000 [03:32<13:32, 63.07it/s]
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              | 18790/70000 [03:32<12:02, 70.84it/s]
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              | 18798/70000 [03:32<12:11, 70.04it/s]
              | 18806/70000 [03:32<12:29, 68.27it/s]
27%|
              | 18817/70000 [03:32<11:09, 76.49it/s]
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27%|
              | 18826/70000 [03:32<11:02, 77.29it/s]
              | 18835/70000 [03:32<10:43, 79.52it/s]
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27%|
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              | 18855/70000 [03:33<12:19, 69.12it/s]
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27%|
              | 18875/70000 [03:33<13:11, 64.60it/s]
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              | 18885/70000 [03:33<12:13, 69.70it/s]
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              | 18894/70000 [03:33<11:50, 71.92it/s]
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              | 18902/70000 [03:33<12:36, 67.52it/s]
              | 18909/70000 [03:34<13:11, 64.56it/s]
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27%|
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              | 18925/70000 [03:34<13:02, 65.31it/s]
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              | 18972/70000 [03:34<10:29, 81.07it/s]
              | 18982/70000 [03:34<10:00, 84.99it/s]
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2.7%1
              | 18993/70000 [03:35<09:26, 90.00it/s]
27%
              | 19003/70000 [03:35<09:23, 90.44it/s]
27%|
              | 19013/70000 [03:35<09:15, 91.85it/s]
27%|
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27%|
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27%|
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28%1
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              | 19443/70000 [03:39<08:48, 95.73it/s]
              | 19457/70000 [03:39<08:06, 103.79it/s]
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2.8%1
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              | 19483/70000 [03:40<10:06, 83.25it/s]
2.8%1
              | 19493/70000 [03:40<10:11, 82.56it/s]
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28%1
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28%|
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28%|
              | 19585/70000 [03:41<08:52, 94.64it/s]
              | 19597/70000 [03:41<08:30, 98.72it/s]
28%1
28%1
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              | 19618/70000 [03:41<09:28, 88.62it/s]
              | 19629/70000 [03:41<09:01, 93.03it/s]
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28%1
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              | 19652/70000 [03:42<08:35, 97.62it/s]
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              | 19662/70000 [03:42<08:57, 93.65it/s]
              | 19676/70000 [03:42<08:06, 103.35it/s]
28%|
              | 19693/70000 [03:42<07:24, 113.20it/s]
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28%|
              | 19710/70000 [03:42<07:08, 117.43it/s]
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              | 19723/70000 [03:42<07:12, 116.29it/s]
              | 19735/70000 [03:42<07:41, 108.90it/s]
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2.8%1
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              | 19758/70000 [03:43<09:19, 89.80it/s]
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              | 19812/70000 [03:43<09:19, 89.70it/s]
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              | 19822/70000 [03:43<10:21, 80.79it/s]
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              | 19831/70000 [03:43<11:49, 70.70it/s]
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              | 19851/70000 [03:44<10:55, 76.55it/s]
2.8%1
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28%1
              | 19872/70000 [03:44<10:26, 80.06it/s]
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              | 19883/70000 [03:44<09:58, 83.74it/s]
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              | 19894/70000 [03:44<09:34, 87.25it/s]
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2.8%1
28%|
              | 19915/70000 [03:44<09:42, 85.94it/s]
28%|
              | 19926/70000 [03:45<09:13, 90.51it/s]
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              | 19967/70000 [03:45<09:41, 86.00it/s]
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29%1
29%|
              | 20164/70000 [03:47<10:18, 80.59it/s]
29%|
              | 20174/70000 [03:47<09:46, 84.97it/s]
2.9%1
              | 20186/70000 [03:47<09:01, 91.95it/s]
29%|
              | 20201/70000 [03:47<08:17, 100.08it/s]
29%1
              | 20212/70000 [03:48<08:37, 96.20it/s]
              | 20223/70000 [03:48<08:31, 97.33it/s]
2.9%1
              | 20234/70000 [03:48<08:38, 95.95it/s]
29%1
29%|
              | 20247/70000 [03:48<08:28, 97.88it/s]
29%|
              | 20257/70000 [03:48<09:05, 91.27it/s]
29%|
              | 20270/70000 [03:48<08:30, 97.40it/s]
2.9%1
              | 20281/70000 [03:48<10:12, 81.20it/s]
29%|
              | 20290/70000 [03:48<10:15, 80.77it/s]
29%|
              | 20299/70000 [03:49<10:16, 80.68it/s]
29%1
              | 20312/70000 [03:49<09:13, 89.80it/s]
29%1
              | 20322/70000 [03:49<09:11, 90.06it/s]
29%
              | 20332/70000 [03:49<08:55, 92.79it/s]
              | 20344/70000 [03:49<08:41, 95.16it/s]
29%1
29%1
              | 20354/70000 [03:49<09:36, 86.14it/s]
2.9%1
              | 20365/70000 [03:49<09:04, 91.13it/s]
```

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| 20376/70000 [03:49<08:45, 94.37it/s]
2981
2.9%1
                20390/70000 [03:49<07:54, 104.56it/s]
29%1
              | 20401/70000 [03:50<13:23, 61.72it/s]
2981
              | 20410/70000 [03:50<12:18, 67.15it/s]
2.9%1
              | 20420/70000 [03:50<11:18, 73.09it/s]
29%1
              | 20430/70000 [03:50<11:06, 74.39it/s]
2.9%1
              | 20439/70000 [03:50<10:50, 76.24it/s]
              | 20448/70000 [03:50<10:21, 79.79it/s]
| 20457/70000 [03:51<14:04, 58.68it/s]
2.9%1
29%1
29%|
              | 20467/70000 [03:51<12:29, 66.10it/s]
29%|
              | 20479/70000 [03:51<10:50, 76.10it/s]
29%1
              | 20489/70000 [03:51<10:27, 78.96it/s]
29%|
              | 20498/70000 [03:51<10:15, 80.40it/s]
29%|
              | 20508/70000 [03:51<09:40, 85.33it/s]
              | 20518/70000 [03:51<10:53, 75.78it/s]
2.9%1
29%1
              | 20530/70000 [03:51<09:46, 84.32it/s]
29%1
              | 20544/70000 [03:51<08:49, 93.49it/s]
2.9%1
              | 20555/70000 [03:52<08:47, 93.78it/s]
29%1
              | 20566/70000 [03:52<08:48, 93.52it/s]
2.9%1
              | 20580/70000 [03:52<07:56, 103.82it/s]
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              | 20593/70000 [03:52<07:35, 108.54it/s]
29%|
              | 20605/70000 [03:52<08:33, 96.13it/s]
29%|
              | 20616/70000 [03:52<09:14, 89.06it/s]
29%1
              | 20632/70000 [03:52<08:02, 102.30it/s]
29%|
              | 20644/70000 [03:52<08:40, 94.89it/s]
              | 20655/70000 [03:53<09:11, 89.51it/s]
30%1
30%|
              | 20668/70000 [03:53<08:21, 98.31it/s]
30%1
              | 20679/70000 [03:53<09:53, 83.06it/s]
30%1
              | 20689/70000 [03:53<10:13, 80.39it/s]
30%1
              | 20698/70000 [03:53<10:09, 80.95it/s]
              | 20707/70000 [03:53<10:21, 79.30it/s]
30%1
              | 20718/70000 [03:53<09:51, 83.37it/s]
30%1
              | 20729/70000 [03:53<09:09, 89.59it/s]
30%|
30%1
              | 20742/70000 [03:54<08:28, 96.82it/s]
30%|
              | 20755/70000 [03:54<07:51, 104.46it/s]
30%|
              | 20769/70000 [03:54<07:26, 110.27it/s]
              | 20781/70000 [03:54<08:48, 93.11it/s]
30%1
30%1
              | 20792/70000 [03:54<08:33, 95.74it/s]
30%|
              | 20803/70000 [03:54<09:07, 89.82it/s]
30%1
              | 20813/70000 [03:54<09:12, 89.02it/s]
30%1
              | 20823/70000 [03:54<10:03, 81.45it/s]
30%1
              | 20836/70000 [03:55<09:05, 90.15it/s]
30%|
              | 20847/70000 [03:55<08:44, 93.80it/s]
30%|
              | 20861/70000 [03:55<08:26, 96.99it/s]
30%|
              | 20872/70000 [03:55<08:58, 91.18it/s]
30%|
              | 20883/70000 [03:55<08:38, 94.76it/s]
30%|
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              | 20902/70000 [03:55<09:22, 87.26it/s]
              | 20913/70000 [03:55<08:49, 92.65it/s]
30%1
30%1
              | 20924/70000 [03:56<08:27, 96.77it/s]
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              | 20934/70000 [03:56<08:30, 96.05it/s]
30%
              | 20944/70000 [03:56<09:19, 87.73it/s]
              | 20954/70000 [03:56<09:12, 88.75it/s]
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30%1
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              | 20993/70000 [03:56<08:17, 98.52it/s]
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              | 21005/70000 [03:56<07:56, 102.80it/s]
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              | 21016/70000 [03:56<08:13, 99.36it/s]
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              | 21030/70000 [03:57<07:31, 108.41it/s]
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              | 21054/70000 [03:57<08:15, 98.85it/s]
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              | 21065/70000 [03:57<09:42, 84.01it/s]
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              | 21080/70000 [03:57<08:35, 94.94it/s]
              | 21091/70000 [03:57<09:42, 83.90it/s]
30%
              | 21102/70000 [03:57<09:21, 87.12it/s]
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30%|
               | 21113/70000 [03:58<09:09, 88.95it/s]
30%1
              | 21123/70000 [03:58<09:45, 83.44it/s]
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              | 21132/70000 [03:58<10:15, 79.39it/s]
30%|
              | 21146/70000 [03:58<09:06, 89.42it/s]
              | 21160/70000 [03:58<08:18, 97.91it/s]
30%1
30%1
              | 21171/70000 [03:58<09:05, 89.56it/s]
30%1
              | 21187/70000 [03:58<07:58, 101.93it/s]
30%1
              | 21199/70000 [03:58<08:32, 95.24it/s]
30%
                21213/70000 [03:59<08:15, 98.44it/s]
               | 21226/70000 [03:59<07:43, 105.17it/s]
30%
30%
              | 21241/70000 [03:59<07:07, 113.99it/s]
              | 21253/70000 [03:59<07:12, 112.71it/s]
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30%1
              | 21266/70000 [03:59<07:10, 113.27it/s]
              21280/70000 [03:59<06:50, 118.79it/s]
30%1
30%
              | 21293/70000 [03:59<09:10, 88.42it/s]
              | 21304/70000 [04:00<11:01, 73.64it/s]
30%
              | 21313/70000 [04:00<10:50, 74.79it/s]
30%1
              | 21322/70000 [04:00<13:14, 61.28it/s]
30%1
30%1
              | 21332/70000 [04:00<11:43, 69.17it/s]
30%|
              | 21341/70000 [04:00<11:02, 73.41it/s]
31%|
              | 21352/70000 [04:00<10:05, 80.36it/s]
              | 21361/70000 [04:00<09:58, 81.32it/s]
31%|
31%|
              | 21370/70000 [04:00<09:48, 82.64it/s]
31%|
              | 21383/70000 [04:00<08:44, 92.64it/s]
31%∣
              | 21393/70000 [04:01<08:51, 91.39it/s]
31%|
              | 21403/70000 [04:01<09:30, 85.20it/s]
31%|
              | 21412/70000 [04:01<10:15, 78.93it/s]
              | 21421/70000 [04:01<10:21, 78.16it/s]
31%|
31%|
              | 21430/70000 [04:01<10:54, 74.17it/s]
31%|
              | 21438/70000 [04:01<12:10, 66.49it/s]
              | 21448/70000 [04:01<12:23, 65.32it/s]
31%|
31%|
              | 21460/70000 [04:02<10:46, 75.07it/s]
              | 21469/70000 [04:02<10:34, 76.52it/s]
31%1
31%1
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31%|
              | 21500/70000 [04:02<10:41, 75.59it/s]
31%|
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              | 21523/70000 [04:02<09:30, 84.92it/s]
31%|
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31%|
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31%|
              | 21556/70000 [04:03<08:32, 94.45it/s]
31%|
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31%|
              | 21581/70000 [04:03<08:22, 96.39it/s]
              | 21592/70000 [04:03<09:18, 86.66it/s]
31%1
31%|
              | 21602/70000 [04:03<09:04, 88.88it/s]
31%|
              | 21612/70000 [04:03<09:14, 87.25it/s]
31%1
              | 21624/70000 [04:03<08:48, 91.52it/s]
31%
              | 21634/70000 [04:03<08:54, 90.50it/s]
              | 21647/70000 [04:04<08:17, 97.20it/s]
31%|
              | 21658/70000 [04:04<08:22, 96.29it/s]
31%1
              | 21668/70000 [04:04<09:41, 83.07it/s]
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31%|
              | 21679/70000 [04:04<09:00, 89.32it/s]
31%|
              | 21689/70000 [04:04<09:39, 83.32it/s]
31%|
              | 21701/70000 [04:04<08:55, 90.12it/s]
31%|
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31%|
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              | 21741/70000 [04:05<09:14, 87.07it/s]
31%|
31% |
              | 21752/70000 [04:05<08:43, 92.20it/s]
31%|
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31%|
31%|
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31%|
              | 21795/70000 [04:05<08:36, 93.31it/s]
31%|
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31%|
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31%|
              | 21828/70000 [04:06<08:20, 96.33it/s]
31%|
              | 21840/70000 [04:06<07:54, 101.57it/s]
31%|
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              21863/70000 [04:06<07:31, 106.66it/s]
31%|
31%|
                21874/70000 [04:06<08:18, 96.48it/s]
              | 21884/70000 [04:06<08:29, 94.50it/s]
31% |
31%|
              | 21894/70000 [04:06<08:44, 91.80it/s]
31%|
              | 21904/70000 [04:06<08:47, 91.26it/s]
31%|
              | 21916/70000 [04:06<08:21, 95.79it/s]
31%|
              | 21926/70000 [04:07<08:22, 95.69it/s]
31%|
              | 21936/70000 [04:07<08:53, 90.02it/s]
31%1
              | 21946/70000 [04:07<08:42, 91.90it/s]
31%1
              | 21956/70000 [04:07<09:33, 83.74it/s]
31%|
              | 21965/70000 [04:07<11:06, 72.08it/s]
31%1
              | 21974/70000 [04:07<10:28, 76.37it/s]
31%|
              | 21990/70000 [04:07<08:51, 90.35it/s]
31%|
              | 22001/70000 [04:07<08:30, 94.07it/s]
31%|
              | 22013/70000 [04:07<08:17, 96.45it/s]
31%|
              | 22024/70000 [04:08<08:03, 99.19it/s]
31%|
              | 22035/70000 [04:08<07:57, 100.37it/s]
31%|
              | 22046/70000 [04:08<08:27, 94.49it/s]
32%|
              | 22059/70000 [04:08<07:51, 101.58it/s]
328
              | 22070/70000 [04:08<07:46, 102.65it/s]
              | 22081/70000 [04:08<08:24, 95.05it/s]
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32%|
              | 22091/70000 [04:08<08:36, 92.71it/s]
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              | 22101/70000 [04:08<08:33, 93.25it/s]
32%|
              | 22114/70000 [04:09<07:55, 100.76it/s]
32%|
                22125/70000 [04:09<08:06, 98.40it/s]
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32%1
              | 22149/70000 [04:09<08:20, 95.60it/s]
32%|
              | 22161/70000 [04:09<08:05, 98.62it/s]
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              | 22172/70000 [04:09<08:24, 94.73it/s]
32%|
              | 22182/70000 [04:09<10:33, 75.44it/s]
              | 22191/70000 [04:09<10:11, 78.22it/s]
32%
32%|
              | 22203/70000 [04:10<09:07, 87.30it/s]
              | 22213/70000 [04:10<08:51, 89.94it/s]
32%|
32%1
              | 22223/70000 [04:10<10:21, 76.82it/s]
32%|
              | 22239/70000 [04:10<09:00, 88.36it/s]
32%|
              | 22252/70000 [04:10<08:18, 95.78it/s]
32%1
              | 22263/70000 [04:10<08:01, 99.13it/s]
32%|
              | 22274/70000 [04:10<08:26, 94.15it/s]
32%|
              | 22284/70000 [04:10<08:22, 94.89it/s]
32%1
              | 22294/70000 [04:11<09:58, 79.74it/s]
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              | 22427/70000 [04:12<10:30, 75.41it/s]
32%
32%
              | 22436/70000 [04:12<10:17, 76.98it/s]
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              | 22447/70000 [04:12<09:43, 81.55it/s]
32%|
              | 22456/70000 [04:13<10:31, 75.25it/s]
              | 22467/70000 [04:13<09:36, 82.49it/s]
32%|
32%|
              | 22476/70000 [04:13<11:38, 68.05it/s]
              | 22485/70000 [04:13<13:11, 60.06it/s]
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32%1
              | 22497/70000 [04:13<11:27, 69.07it/s]
32%|
              | 22509/70000 [04:13<10:06, 78.35it/s]
              22519/70000 [04:13<09:34, 82.64it/s]
32%1
32%|
              | 22529/70000 [04:14<10:27, 75.66it/s]
              | 22538/70000 [04:14<10:05, 78.37it/s]
32%
              | 22547/70000 [04:14<10:11, 77.63it/s]
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              | 22556/70000 [04:14<09:57, 79.41it/s]
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              | 22566/70000 [04:14<09:41, 81.58it/s]
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              | 22576/70000 [04:14<09:10, 86.18it/s]
32%|
              | 22590/70000 [04:14<08:33, 92.25it/s]
              | 22602/70000 [04:14<08:04, 97.90it/s]
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32%|
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32%1
              | 22624/70000 [04:15<09:19, 84.68it/s]
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32%
              | 22642/70000 [04:15<12:54, 61.14it/s]
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              | 22685/70000 [04:16<10:44, 73.42it/s]
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              | 22715/70000 [04:16<09:24, 83.80it/s]
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32%|
              | 22734/70000 [04:16<09:53, 79.68it/s]
32%
              | 22744/70000 [04:16<09:31, 82.75it/s]
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              | 22775/70000 [04:17<09:53, 79.63it/s]
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              | 22784/70000 [04:17<10:12, 77.12it/s]
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              | 22793/70000 [04:17<09:56, 79.21it/s]
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              | 22803/70000 [04:17<09:29, 82.91it/s]
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              | 22812/70000 [04:17<09:40, 81.26it/s]
33%|
              | 22821/70000 [04:17<09:35, 82.05it/s]
33%|
              | 22830/70000 [04:17<12:28, 63.01it/s]
              | 22839/70000 [04:17<11:41, 67.23it/s]
33%1
33%|
              | 22847/70000 [04:18<12:32, 62.65it/s]
              | 22858/70000 [04:18<11:11, 70.22it/s]
33%
              l 22869/70000 [04:18<11:30. 68.24it/s]
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33%|
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                22885/70000 [04:18<13:37, 57.65it/s]
              | 22899/70000 [04:18<11:16, 69.63it/s]
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33%1
              | 22908/70000 [04:18<12:06, 64.81it/s]
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              | 22916/70000 [04:19<13:08, 59.71it/s]
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              | 22941/70000 [04:19<10:00, 78.35it/s]
33%1
33%1
              | 22951/70000 [04:19<10:48, 72.58it/s]
              | 22960/70000 [04:19<10:38, 73.65it/s]
33%1
33%|
                22969/70000 [04:19<11:04, 70.76it/s]
              | 22984/70000 [04:19<09:25, 83.19it/s]
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33%1
              | 22996/70000 [04:19<08:34, 91.41it/s]
33%|
              | 23007/70000 [04:20<09:29, 82.56it/s]
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              | 23020/70000 [04:20<08:30, 91.98it/s]
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              | 23031/70000 [04:20<10:03, 77.87it/s]
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              | 23042/70000 [04:20<09:14, 84.69it/s]
              | 23052/70000 [04:20<09:20, 83.76it/s]
33%1
33%1
              | 23063/70000 [04:20<08:44, 89.50it/s]
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              | 23073/70000 [04:20<09:53, 79.12it/s]
              | 23084/70000 [04:21<09:04, 86.15it/s]
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              | 23096/70000 [04:21<08:32, 91.54it/s]
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              | 23106/70000 [04:21<08:36, 90.76it/s]
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33%|
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              | 23130/70000 [04:21<07:54, 98.70it/s]
              | 23141/70000 [04:21<08:01, 97.36it/s]
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33%1
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              | 23182/70000 [04:22<08:41, 89.84it/s]
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              | 23202/70000 [04:22<08:54, 87.57it/s]
              | 23212/70000 [04:22<08:38, 90.25it/s]
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              | 23222/70000 [04:22<09:08, 85.33it/s]
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33%1
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              | 23258/70000 [04:22<08:27, 92.19it/s]
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              | 23287/70000 [04:23<09:52, 78.83it/s]
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33%|
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33%
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              | 23361/70000 [04:24<10:07, 76.77it/s]
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33%1
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              | 23435/70000 [04:25<09:53, 78.50it/s]
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34%|
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34%1
              | 23514/70000 [04:26<11:05, 69.88it/s]
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              | 23541/70000 [04:26<10:42, 72.37it/s]
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34%1
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34%|
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34%|
34%|
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34%
              | 23648/70000 [04:27<10:59, 70.29it/s]
              1 23657/70000 [04:28<10:17, 75.07it/s]
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              | 23677/70000 [04:28<09:28, 81.53it/s]
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                23686/70000 [04:28<10:22, 74.35it/s]
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              | 23716/70000 [04:28<10:09, 75.96it/s]
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34%|
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              | 23753/70000 [04:29<10:02, 76.80it/s]
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              | 23771/70000 [04:29<10:31, 73.21it/s]
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              23966/70000 [04:31<09:34, 80.06it/s]
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34%1
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              | 23984/70000 [04:32<09:42, 78.93it/s]
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              | 24002/70000 [04:32<11:09, 68.73it/s]
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                24032/70000 [04:32<11:02, 69.37it/s]
              | 24044/70000 [04:32<09:41, 78.98it/s]
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34%|
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34%|
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              | 24094/70000 [04:33<09:43, 78.71it/s]
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              | 24153/70000 [04:34<11:51, 64.46it/s]
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                24303/70000 [04:35<07:24, 102.69it/s]
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              | 24356/70000 [04:36<09:43, 78.16it/s]
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35%1
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              | 24377/70000 [04:36<08:43, 87.09it/s]
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                24389/70000 [04:36<08:02, 94.46it/s]
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              | 24424/70000 [04:37<07:19, 103.69it/s]
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35%1
35%
              | 24449/70000 [04:37<07:02, 107.87it/s]
              1 24461/70000 [04.37<07.24 102 45i+/s1
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                24714/70000 [04:40<10:59, 68.66it/s]
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              | 24746/70000 [04:40<09:30, 79.33it/s]
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                24768/70000 [04:41<09:02, 83.32it/s]
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              | 24840/70000 [04:41<07:35, 99.21it/s]
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              | 24861/70000 [04:42<10:42, 70.27it/s]
               24875/70000 [04:42<09:39, 77.87it/s]
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                24895/70000 [04:42<08:49, 85.14it/s]
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                25045/70000 [04:44<10:50, 69.10it/s]
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                25053/70000 [04:44<10:54, 68.65it/s]
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              | 25067/70000 [04:44<09:18, 80.42it/s]
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36%1
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                25157/70000 [04:45<07:59, 93.47it/s]
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36%
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              | 25272/70000 [04:46<07:42, 96.74it/s]
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36%1
              | 25282/70000 [04:46<07:39, 97.26it/s]
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               25295/70000 [04:46<07:06, 104.93it/s]
              | 25306/70000 [04:47<07:13, 103.10it/s]
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369
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36%
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              | 25851/70000 [04:52<08:57, 82.17it/s]
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37%
37%
              | 26061/70000 [04:55<10:30, 69.68it/s]
37%|
              | 26072/70000 [04:55<09:32, 76.76it/s]
37%1
               26081/70000 [04:55<09:23, 77.88it/s]
37%1
              | 26093/70000 [04:56<08:29, 86.17it/s]
37%
                26103/70000 [04:56<08:56, 81.77it/s]
37%|
              | 26112/70000 [04:56<08:42, 84.05it/s]
37%|
              | 26123/70000 [04:56<08:08, 89.80it/s]
37%|
              | 26134/70000 [04:56<08:01, 91.08it/s]
              26148/70000 [04:56<07:16, 100.36it/s]
37%
                26150/70000 [04.56/07.40
                                           05 201+/01
```

```
Z0109//UUUU [U4:00\U/:4U, 90.3U1L/S]
37%
                26170/70000 [04:56<07:33, 96.69it/s]
37%
              | 26183/70000 [04:56<07:00, 104.13it/s]
37%
              | 26194/70000 [04:57<07:48, 93.52it/s]
37%|
              | 26205/70000 [04:57<07:39, 95.23it/s]
37%1
              | 26221/70000 [04:57<06:50, 106.61it/s]
37%|
              | 26233/70000 [04:57<07:19, 99.63it/s]
37%|
                26245/70000 [04:57<07:25, 98.19it/s]
38%1
              | 26256/70000 [04:57<07:38, 95.38it/s]
38%|
              | 26266/70000 [04:57<08:14, 88.35it/s]
38%1
                26276/70000 [04:57<08:21, 87.23it/s]
38%1
              | 26285/70000 [04:58<09:51, 73.91it/s]
38%|
              | 26295/70000 [04:58<09:10, 79.39it/s]
              | 26304/70000 [04:58<09:45, 74.65it/s]
38%
38%1
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38%|
38%1
              | 26342/70000 [04:58<07:19, 99.35it/s]
38%|
              | 26353/70000 [04:58<09:46, 74.48it/s]
38%|
                26362/70000 [04:59<09:45, 74.57it/s]
              | 26373/70000 [04:59<09:33, 76.11it/s]
38%1
38%1
              | 26387/70000 [04:59<08:31, 85.21it/s]
38%|
              | 26397/70000 [04:59<08:37, 84.19it/s]
              | 26407/70000 [04:59<08:33, 84.85it/s]
38%1
38%
                26416/70000 [04:59<09:40, 75.08it/s]
              | 26425/70000 [04:59<09:27, 76.73it/s]
38%
38%1
              26434/70000 [04:59<09:38, 75.26it/s]
              | 26446/70000 [05:00<08:36, 84.41it/s]
38%1
              | 26455/70000 [05:00<10:29, 69.21it/s]
38%|
38%|
              | 26466/70000 [05:00<09:47, 74.11it/s]
38%|
                26478/70000 [05:00<08:40, 83.55it/s]
              | 26488/70000 [05:00<13:33, 53.51it/s]
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38%|
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               26506/70000 [05:01<11:12, 64.72it/s]
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              | 26515/70000 [05:01<10:20, 70.13it/s]
38%1
                26524/70000 [05:01<10:09, 71.34it/s]
38%1
              | 26533/70000 [05:01<10:22, 69.80it/s]
38%
              26543/70000 [05:01<09:30, 76.18it/s]
              | 26553/70000 [05:01<08:58, 80.64it/s]
38%1
38%1
              26567/70000 [05:01<07:55, 91.25it/s]
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              | 26577/70000 [05:01<07:43, 93.65it/s]
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                26587/70000 [05:01<07:50, 92.24it/s]
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              | 26597/70000 [05:02<08:16, 87.37it/s]
38%1
              | 26607/70000 [05:02<09:09, 78.95it/s]
38%1
              | 26616/70000 [05:02<08:55, 80.97it/s]
38%|
              | 26626/70000 [05:02<08:34, 84.27it/s]
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                26637/70000 [05:02<08:06, 89.16it/s]
38%
              | 26649/70000 [05:02<07:29, 96.38it/s]
              | 26659/70000 [05:02<09:07, 79.21it/s]
38%1
38%|
              | 26668/70000 [05:02<09:20, 77.32it/s]
38%|
              | 26677/70000 [05:03<09:07, 79.19it/s]
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              | 26686/70000 [05:03<10:16, 70.28it/s]
38%|
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                26745/70000 [05:03<09:23, 76.71it/s]
                26754/70000 [05:04<09:56, 72.54it/s]
38%1
              | 26762/70000 [05:04<09:41, 74.40it/s]
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38%|
               26778/70000 [05:04<09:45, 73.82it/s]
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                26786/70000 [05:04<09:45, 73.87it/s]
38%|
                26795/70000 [05:04<09:20, 77.04it/s]
              | 26805/70000 [05:04<08:48, 81.66it/s]
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38%1
              | 26814/70000 [05:04<10:34, 68.08it/s]
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                26822/70000 [05:04<10:08, 71.00it/s]
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                26836/70000 [05:05<08:41, 82.72it/s]
38%|
                26851/70000 [05:05<08:01, 89.69it/s]
              | 26863/70000 [05:05<07:25, 96.80it/s]
38%
              26874/70000 [05:05<07:56, 90.42it/s]
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38%|
              | 26884/70000 [05:05<08:08, 88.31it/s]
38%|
              | 26895/70000 [05:05<07:41, 93.49it/s]
38%|
              | 26905/70000 [05:05<08:26, 85.01it/s]
38%|
                26915/70000 [05:05<08:07, 88.37it/s]
              | 26925/70000 [05:06<09:23, 76.49it/s]
38%1
38%1
              | 26934/70000 [05:06<09:07, 78.72it/s]
              | 26943/70000 [05:06<08:51, 81.05it/s]
38%
                20002/70000 [00.00.00.41
                                           00 [1:+/-
```

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26952//UUUU [U5:U6<U8:41, 82.511T/S]
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39%
                26971/70000 [05:06<08:08, 88.06it/s]
39%
              | 26982/70000 [05:06<08:26, 84.97it/s]
39%1
              | 26991/70000 [05:06<09:07, 78.55it/s]
39%|
              | 27000/70000 [05:07<09:37, 74.41it/s]
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                27008/70000 [05:07<10:07, 70.72it/s]
39%1
                27016/70000 [05:07<09:51, 72.67it/s]
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                27027/70000 [05:07<08:52, 80.76it/s]
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              | 27036/70000 [05:07<13:06, 54.66it/s]
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              | 27045/70000 [05:07<11:40, 61.30it/s]
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                27058/70000 [05:07<09:58, 71.79it/s]
                27068/70000 [05:08<10:28, 68.27it/s]
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39%|
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              | 27086/70000 [05:08<10:37, 67.31it/s]
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39%1
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                27102/70000 [05:08<10:10, 70.31it/s]
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              | 27149/70000 [05:08<07:37, 93.58it/s]
              | 27159/70000 [05:09<08:23, 85.07it/s]
39%|
39%1
                27168/70000 [05:09<08:50, 80.77it/s]
39%|
              | 27179/70000 [05:09<08:12, 87.03it/s]
39%|
                27189/70000 [05:09<08:36, 82.94it/s]
              | 27202/70000 [05:09<07:53, 90.47it/s]
39%
39%1
              | 27212/70000 [05:09<07:42, 92.56it/s]
39%1
                27224/70000 [05:09<07:18, 97.55it/s]
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              | 27247/70000 [05:10<07:47, 91.51it/s]
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                27257/70000 [05:10<07:37, 93.33it/s]
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              | 27267/70000 [05:10<07:32, 94.35it/s]
              | 27277/70000 [05:10<07:39, 93.00it/s]
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39%1
                27287/70000 [05:10<07:52, 90.38it/s]
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                27297/70000 [05:10<08:38, 82.43it/s]
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                27306/70000 [05:10<08:29, 83.82it/s]
              | 27317/70000 [05:10<07:54, 90.05it/s]
39%1
39%|
              | 27327/70000 [05:10<08:10, 87.01it/s]
39%1
                27342/70000 [05:11<07:13, 98.29it/s]
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              | 27355/70000 [05:11<06:52, 103.41it/s]
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                27366/70000 [05:11<06:59, 101.69it/s]
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              | 27377/70000 [05:11<06:52, 103.24it/s]
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              | 27399/70000 [05:11<07:32, 94.07it/s]
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              | 27425/70000 [05:11<07:47, 90.99it/s]
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                27435/70000 [05:12<08:35, 82.51it/s]
              | 27449/70000 [05:12<07:53, 89.95it/s]
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                27470/70000 [05:12<07:47, 91.07it/s]
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              | 27493/70000 [05:12<08:47, 80.62it/s]
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                27506/70000 [05:12<07:50, 90.33it/s]
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              | 27528/70000 [05:13<07:15, 97.62it/s]
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                27539/70000 [05:13<07:22, 95.86it/s]
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              | 27550/70000 [05:13<08:26, 83.77it/s]
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                27560/70000 [05:13<08:13, 86.01it/s]
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              | 27572/70000 [05:13<07:33, 93.55it/s]
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              | 27582/70000 [05:13<08:02, 87.88it/s]
39%|
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                27617/70000 [05:14<06:53, 102.51it/s]
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                27628/70000 [05:14<07:26, 94.82it/s]
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              | 27638/70000 [05:14<08:23, 84.19it/s]
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              | 27648/70000 [05:14<08:02, 87.72it/s]
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                27661/70000 [05:14<07:27, 94.63it/s]
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                27693/70000 [05:14<07:13, 97.63it/s]
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40%1
              | 27705/70000 [05:14<07:21, 95.76it/s]
40%1
                27715/70000 [05:15<07:16, 96.84it/s]
                27727/70000 [05:15<06:55, 101.74it/s]
40%1
40%1
                27738/70000 [05:15<07:16, 96.77it/s]
40%|
                27748/70000 [05:15<07:29, 94.06it/s]
              | 27763/70000 [05:15<06:57, 101.19it/s]
40%1
40%
                27774/70000 [05:15<07:26, 94.56it/s]
```

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| 2//84//0000 [U5:15<U/:38, 92.111t/s]
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40%1
              | 27794/70000 [05:15<07:53, 89.18it/s]
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                27808/70000 [05:16<07:11, 97.82it/s]
              | 27819/70000 [05:16<09:18, 75.58it/s]
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              | 27828/70000 [05:16<09:26, 74.49it/s]
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              | 27838/70000 [05:16<09:20, 75.18it/s]
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40%|
              | 27847/70000 [05:16<11:31, 60.92it/s]
              | 27857/70000 [05:16<10:19, 68.03it/s]
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40%
                27866/70000 [05:16<09:34, 73.28it/s]
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              27877/70000 [05:17<08:45, 80.08it/s]
40%|
              | 27888/70000 [05:17<08:13, 85.38it/s]
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              | 27899/70000 [05:17<07:40, 91.45it/s]
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                27912/70000 [05:17<06:59, 100.35it/s]
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              | 27923/70000 [05:17<06:56, 101.14it/s]
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              | 27934/70000 [05:17<07:08, 98.26it/s]
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              27945/70000 [05:17<07:01, 99.87it/s]
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              | 27956/70000 [05:17<07:33, 92.64it/s]
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                27966/70000 [05:17<08:14, 85.02it/s]
              | 27976/70000 [05:18<08:37, 81.13it/s]
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              28000/70000 [05:18<07:26, 94.12it/s]
40%|
              | 28010/70000 [05:18<07:22, 94.94it/s]
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               28089/70000 [05:19<08:55, 78.25it/s]
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              | 28099/70000 [05:19<08:21, 83.52it/s]
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                28151/70000 [05:19<06:36, 105.43it/s]
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40%
                28189/70000 [05:20<06:38, 104.83it/s]
40%
              | 28203/70000 [05:20<06:12, 112.20it/s]
              | 28216/70000 [05:20<05:57, 116.86it/s]
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40%1
              | 28229/70000 [05:20<06:10, 112.78it/s]
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              | 28241/70000 [05:20<06:55, 100.49it/s]
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                28252/70000 [05:20<06:49, 101.98it/s]
              | 28263/70000 [05:20<06:55, 100.42it/s]
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                28295/70000 [05:21<08:46, 79.18it/s]
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                28307/70000 [05:21<08:07, 85.45it/s]
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              | 28326/70000 [05:21<08:24, 82.60it/s]
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                28402/70000 [05:22<07:09, 96.94it/s]
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41%|
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                28435/70000 [05:22<08:14, 84.13it/s]
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              | 28567/70000 [05:24<08:41, 79.40it/s]
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                28598/70000 [05:24<08:53, 77.65it/s]
              28607/70000 [05:25<09:23, 73.45it/s]
41%|
              | 28617/70000 [05:25<09:48, 70.34it/s]
41%|
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                28634/70000 [05:25<11:49, 58.27it/s]
41%|
                28641/70000 [05:25<11:42, 58.85it/s]
               28651/70000 [05:25<10:32, 65.34it/s]
41%|
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              | 28659/70000 [05:25<10:50, 63.59it/s]
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              | 28669/70000 [05:25<09:44, 70.66it/s]
              | 28677/70000 [05:26<09:44, 70.75it/s]
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              | 28690/70000 [05:26<08:24, 81.93it/s]
41%|
41%|
              | 28705/70000 [05:26<07:20, 93.74it/s]
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              | 28727/70000 [05:26<06:55, 99.43it/s]
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              | 28742/70000 [05:26<06:19, 108.75it/s]
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41%|
                28754/70000 [05:26<06:23, 107.54it/s]
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               28766/70000 [05:26<07:24, 92.73it/s]
41%
                28776/70000 [05:27<08:10, 84.11it/s]
              | 28787/70000 [05:27<07:40, 89.48it/s]
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41%|
              28800/70000 [05:27<07:01, 97.76it/s]
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              | 28979/70000 [05:29<08:03, 84.87it/s]
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              | 29000/70000 [05:29<08:37, 79.27it/s]
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41%|
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41%
              | 29020/70000 [05:29<08:07, 84.08it/s]
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41%|
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              | 29055/70000 [05:30<07:42, 88.56it/s]
4281
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42%
              | 29077/70000 [05:30<07:24, 92.02it/s]
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4281
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42% |
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              | 29298/70000 [05:32<07:08, 95.10it/s]
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              | 29339/70000 [05:33<06:46, 99.95it/s]
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42%
4281
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4281
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42%
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42%
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43%|
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                32054/70000 [06:03<07:45, 81.46it/s]
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               32333/70000 [06:07<09:40, 64.93it/s]
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47%1
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50%
              | 35335/70000 [06:41<06:21, 90.78it/s]
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              1 36979/70000 [06:59<06:29, 84.80it/s]
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54%
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54%|
              | 38091/70000 [07:12<06:05, 87.29it/s]
54%|
              | 38106/70000 [07:12<05:27, 97.32it/s]
                38117/70000 [07:12<07:58, 66.65it/s]
54%1
54%
                38129/70000 [07:13<07:10, 73.95it/s]
                38139/70000 [07:13<07:02, 75.42it/s]
54%|
              | 38148/70000 [07:13<06:53, 76.95it/s]
54%
55%
              | 38157/70000 [07:13<07:32, 70.40it/s]
55%
                38169/70000 [07:13<06:36, 80.23it/s]
55%
                38178/70000 [07:13<06:24, 82.73it/s]
55%|
                38187/70000 [07:13<06:30, 81.39it/s]
              | 38196/70000 [07:13<06:54, 76.68it/s]
55%1
55%|
              | 38205/70000 [07:14<06:47, 78.02it/s]
55%|
                38215/70000 [07:14<06:21, 83.26it/s]
55%1
                38224/70000 [07:14<07:02, 75.22it/s]
55%1
                38234/70000 [07:14<06:40, 79.35it/s]
55%|
                38248/70000 [07:14<05:51, 90.39it/s]
              | 38260/70000 [07:14<05:30, 95.98it/s]
55%
              | 38271/70000 [07:14<05:53, 89.64it/s]
55%1
55%1
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55%1
                38291/70000 [07:15<06:01, 87.60it/s]
                38301/70000 [07:15<08:33, 61.70it/s]
55%
              | 38311/70000 [07:15<07:50, 67.33it/s]
55%1
55%|
              | 38319/70000 [07:15<07:46, 67.98it/s]
55%|
                38330/70000 [07:15<06:55, 76.21it/s]
55%1
                38342/70000 [07:15<06:35, 79.99it/s]
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                38354/70000 [07:15<05:58, 88.26it/s]
55%
                38366/70000 [07:16<05:58, 88.19it/s]
              | 38376/70000 [07:16<06:04, 86.69it/s]
55%|
55%1
              | 38391/70000 [07:16<05:32, 95.19it/s]
55%1
                38402/70000 [07:16<06:54, 76.21it/s]
55%|
                38411/70000 [07:16<07:17, 72.18it/s]
55%
                38419/70000 [07:16<07:47, 67.50it/s]
              | 38430/70000 [07:16<06:56, 75.82it/s]
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55%|
              | 38439/70000 [07:16<07:26, 70.70it/s]
55%|
                38451/70000 [07:17<06:31, 80.63it/s]
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                38461/70000 [07:17<06:11, 84.99it/s]
55%
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                38481/70000 [07:17<05:48, 90.41it/s]
55%
                38491/70000 [07:17<07:36, 68.97it/s]
55%
                38499/70000 [07:17<07:27, 70.40it/s]
55%
55%1
                38507/70000 [07:17<07:22, 71.14it/s]
55%|
                38519/70000 [07:17<06:30, 80.55it/s]
55%
                38528/70000 [07:18<06:45, 77.59it/s]
                38537/70000 [07:18<07:16, 72.13it/s]
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55%|
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55%|
                38558/70000 [07:18<06:26, 81.40it/s]
55%1
                38568/70000 [07:18<06:09, 85.13it/s]
55%
                38577/70000 [07:18<06:13, 84.15it/s]
                38586/70000 [07.18<07.41 68 09i+/s]
```

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55%
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                38605/70000 [07:19<07:26, 70.27it/s]
55%|
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55%
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55%
                38649/70000 [07:19<05:33, 94.02it/s]
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55%
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                38829/70000 [07:21<05:01, 103.34it/s]
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55%
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                38905/70000 [07:22<07:27, 69.51it/s]
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56%1
                38916/70000 [07:22<06:42, 77.21it/s]
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                38932/70000 [07:22<05:45, 90.03it/s]
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                38943/70000 [07:22<05:44, 90.22it/s]
56%
                38958/70000 [07:22<05:03, 102.35it/s]
56%
              | 38972/70000 [07:22<04:46, 108.27it/s]
                38988/70000 [07:23<04:21, 118.50it/s]
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              | 39036/70000 [07:23<05:16, 97.85it/s]
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56%1
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                39080/70000 [07:24<05:17, 97.27it/s]
56%
                39090/70000 [07:24<05:17, 97.38it/s]
56%
              | 39104/70000 [07:24<04:51, 106.04it/s]
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56%
                39115/70000 [07:24<05:43, 89.96it/s]
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                39125/70000 [07:24<05:37, 91.46it/s]
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                39137/70000 [07:24<05:20, 96.39it/s]
56%
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                39186/70000 [07:25<06:11, 82.89it/s]
                39196/70000 [07:25<05:53, 87.10it/s]
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                39206/70000 [07:25<06:16, 81.79it/s]
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                39244/70000 [07:25<05:52, 87.23it/s]
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56%
                39275/70000 [07:26<05:25, 94.52it/s]
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56%1
                39295/70000 [07:26<05:35, 91.41it/s]
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                39305/70000 [07:26<06:05, 83.98it/s]
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                39318/70000 [07:26<05:33, 91.99it/s]
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                39338/70000 [07:26<06:20, 80.57it/s]
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56%
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              | 39398/70000 [07:27<06:41, 76.15it/s]
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56%1
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56%1
                39423/70000 [07:27<05:43, 89.11it/s]
                39433/70000 [07:28<06:45, 75.42it/s]
56%
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JJ772/ 10000 [01.20\01.00, 11.J016/5]
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                39453/70000 [07:28<07:07, 71.38it/s]
                39463/70000 [07:28<06:31, 78.06it/s]
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56%
              | 39473/70000 [07:28<06:07, 83.14it/s]
56%
                39482/70000 [07:28<06:14, 81.42it/s]
              | 39495/70000 [07:28<05:37, 90.39it/s]
56%
56%
                39505/70000 [07:28<06:20, 80.24it/s]
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              | 39526/70000 [07:29<05:53, 86.26it/s]
56%1
                39536/70000 [07:29<06:16, 80.98it/s]
56%
                39548/70000 [07:29<05:40, 89.40it/s]
56%1
57%
                39562/70000 [07:29<05:04, 100.11it/s]
57%
                39573/70000 [07:29<05:02, 100.54it/s]
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              39588/70000 [07:29<04:35, 110.40it/s]
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                39635/70000 [07:30<05:14, 96.64it/s]
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                39673/70000 [07:30<05:05, 99.40it/s]
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57%
                39696/70000 [07:30<05:32, 91.02it/s]
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                39706/70000 [07:31<07:58, 63.36it/s]
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              | 39714/70000 [07:31<07:48, 64.61it/s]
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              | 39725/70000 [07:31<06:54, 72.96it/s]
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                39736/70000 [07:31<06:33, 76.91it/s]
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                39820/70000 [07:32<06:03, 82.97it/s]
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              | 39834/70000 [07:32<05:28, 91.89it/s]
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              | 39844/70000 [07:32<06:02, 83.16it/s]
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                39907/70000 [07:33<06:09, 81.39it/s]
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              | 40065/70000 [07:35<06:25, 77.59it/s]
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                40134/70000 [07:36<06:41, 74.47it/s]
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                40162/70000 [07:36<06:10, 80.54it/s]
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                40235/70000 [07:37<05:21, 92.51it/s]
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               40266/70000 [07:37<05:28, 90.41it/s]
58%
                10276/70000 [07.27/05.25
                                           01 21:+/01
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                40297/70000 [07:38<05:51, 84.57it/s]
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              | 40429/70000 [07:39<05:17, 93.20it/s]
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                             [07:39<05:30, 89.37it/s]
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                40836/70000
                             [07:44<05:49, 83.51it/s]
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                             [07:47<09:01, 53.45it/s]
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59%1
              | 41073/70000 [07:47<06:33, 73.45it/s]
               41082/70000 [07:47<06:36, 72.97it/s]
59%
                41001/70000 [07.47.06.40
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59%
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                42753/70000 [08:07<06:15, 72.65it/s]
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769
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                65743/70000 [12:29<00:56, 75.07it/s]
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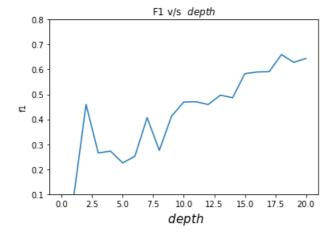
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99% 69479/70000	99%	69448/70000	[13:11<00:06,	91.19it/s]	
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99% 69514/70000 13:12<00:05, 94.42it/s 99% 69524/70000 13:12<00:05, 81.84it/s 99% 69524/70000 13:12<00:05, 81.82it/s 99% 69534/70000 13:12<00:05, 83.82it/s 99% 69534/70000 13:12<00:05, 84.90it/s 99% 69553/70000 13:12<00:05, 84.90it/s 99% 69553/70000 13:12<00:05, 84.90it/s 99% 69562/70000 13:12<00:05, 84.90it/s 99% 69562/70000 13:12<00:05, 85.75it/s 99% 69562/70000 13:12<00:04, 87.17it/s 99% 69584/70000 13:12<00:04, 92.00it/s 99% 69594/70000 13:13<00:04, 92.00it/s 99% 69694/70000 13:13<00:04, 92.00it/s 99% 69694/70000 13:13<00:04, 92.14it/s 99% 69694/70000 13:13<00:04, 92.58it/s 99% 69640/70000 13:13<00:04, 92.58it/s 99% 69640/70000 13:13<00:04, 81.51it/s 99% 69640/70000 13:13<00:04, 81.51it/s 99% 69658/70000 13:13<00:04, 81.51it/s 99% 69658/70000 13:13<00:04, 83.31it/s 100% 69658/70000 13:14<00:03, 84.64it/s 100% 69690/70000 13:14<00:03, 87.70it/s 100% 69700/70000 13:14<00:03, 87.3it/s 100% 69710/70000 13:14<00:03, 81.06it/s 100% 69732/70000 13:14<00:03, 81.06it/s 100% 69732/70000 13:14<00:03, 72.09it/s 100% 6975/70000 13:15<00:03, 70.85it/s 100% 6975/70000 13:15<00:03, 70.85it/s 100% 6976/70000 13:15<00:03, 72.26it/s 100% 69786/70000 13:15<00:03, 72.26it/s 100% 69786/70000 13:15<00:03, 72.26it/s 100% 6988/70000 13:16<00:01, 91.40it/s 100% 6988/70000 13:16<00:01, 91.40it/s 100% 6988/70000 13:16<00:01, 91.40it/s 100% 6988/70000 13:16<00:01, 92.15it/s 100% 6988/70000 13:16<00:01, 93.49it/s 100% 6998/70000 13:16<00:01, 93.49it/s 100% 6998/70000 13:16<00:01, 93.55it/s 100% 6998/70000 13:17<00:00, 95.55it/s	99%	69479/70000	[13:11<00:06,	79.47it/s]	
99%	99%	69488/70000	[13:11<00:06,	82.31it/s]	
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100% 69973/70000 [13:17<00:00, 85.72it/s]	100%	69973/70000	[13:17<00:00,	85.72it/s]	
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```
sc = StandardScaler(with mean = False)
X train1 = sc.fit transform(tfidf sent vectors)
tscv = TimeSeriesSplit(n splits=4)
y_train.shape,X_train1.shape
Out[45]:
((70000,), (70000, 200))
In [46]:
# Just to compare results with randomsearchCV
from sklearn.model_selection import GridSearchCV
from sklearn.svm import SVC
from sklearn.metrics import f1 score
from sklearn.metrics import make_scorer
from sklearn.tree import DecisionTreeClassifier
param = {'max depth':[i for i in range(1,21)]}
clf = DecisionTreeClassifier(class weight='balanced')
gsv = GridSearchCV(clf, param_grid=param, cv=tscv, verbose=3, n_jobs=-1, scoring='f1')
gsv.fit(X train1,y train)
Fitting 4 folds for each of 20 candidates, totalling 80 fits
[Parallel(n_jobs=-1)]: Using backend LokyBackend with 4 concurrent workers.
[Parallel(n_jobs=-1)]: Done 24 tasks | elapsed:
[Parallel(n_jobs=-1)]: Done 80 out of 80 | elapsed: 5.9min finished
Out[46]:
GridSearchCV(cv=TimeSeriesSplit(max train size=None, n splits=4),
       error_score='raise-deprecating',
       estimator=DecisionTreeClassifier(class weight='balanced', criterion='gini',
            max_depth=None, max_features=None, max_leaf_nodes=None,
            min_impurity_decrease=0.0, min_impurity_split=None,
            min samples leaf=1, min samples split=2,
            min weight fraction leaf=0.0, presort=False, random state=None,
            splitter='best'),
       fit params=None, iid='warn', n jobs=-1,
       param_grid={'max_depth': [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
, 20]},
       pre_dispatch='2*n_jobs', refit=True, return_train_score='warn',
       scoring='f1', verbose=3)
In [47]:
print("Best HyperParameter: ",gsv.best params )
print("Best f1: %.2f%%"%(gsv.best score *100))
score= gsv.cv results
Best HyperParameter: {'max_depth': 18}
Best f1: 65.97%
In [48]:
import matplotlib.pyplot as plt
X = []
y=[]
for a in score['param max depth']:
   x.append(a)
for a in score['mean test score']:
   y.append(a)
plt.xlim(-1,21)
plt.ylim(0.1,0.8)
plt.xlabel(r"$\ depth $",fontsize=15)
plt.ylabel("f1")
plt.title(r'F1 v/s $\ depth$')
```

```
plt.plot(x,y)
plt.show()
```



In [50]:

```
from sklearn.model_selection import RandomizedSearchCV
from sklearn.model_selection import GridSearchCV
from sklearn.svm import SVC
from sklearn.metrics import f1_score
from sklearn.metrics import make_scorer
from sklearn.tree import DecisionTreeClassifier

param = {'max_depth':[i for i in range(1,21)]}
clf = DecisionTreeClassifier(class_weight='balanced')

gsv = RandomizedSearchCV(clf, param_distributions =param, cv=tscv, verbose=3, n_jobs=-1, scoring='f
1')
gsv.fit(X_train1,y_train)
```

Fitting 4 folds for each of 10 candidates, totalling 40 fits

```
[Parallel(n_jobs=-1)]: Using backend LokyBackend with 4 concurrent workers.

[Parallel(n_jobs=-1)]: Done 24 tasks | elapsed: 2.1min

[Parallel(n_jobs=-1)]: Done 40 out of 40 | elapsed: 3.3min finished
```

Out[50]:

In [51]:

```
print("Best HyperParameter: ",gsv.best_params_)
print("Best f1: %.2f%%"%(gsv.best_score_*100))
score= gsv.cv_results_
```

Best HyperParameter: {'max_depth': 19}
Best f1: 62.70%

In [52]:

score

```
/home/ash sa8/.local/lib/python3.5/site-packages/sklearn/utils/deprecation.py:125: FutureWarning:
You are accessing a training score ('mean train score'), which will not be available by default an
y more in 0.21. If you need training scores, please set return_train_score=True
 warnings.warn(*warn args, **warn kwargs)
/home/ash sa8/.local/lib/python3.5/site-packages/sklearn/utils/deprecation.py:125: FutureWarning:
You are accessing a training score ('split0_train_score'), which will not be available by default
any more in 0.21. If you need training scores, please set return train score=True
  warnings.warn(*warn args, **warn kwargs)
/home/ash sa8/.local/lib/python3.5/site-packages/sklearn/utils/deprecation.py:125: FutureWarning:
You are accessing a training score ('split1_train_score'), which will not be available by default
any more in 0.21. If you need training scores, please set return_train_score=True
  warnings.warn(*warn args, **warn kwargs)
/home/ash sa8/.local/lib/python3.5/site-packages/sklearn/utils/deprecation.py:125: FutureWarning:
You are accessing a training score ('split2 train score'), which will not be available by default
any more in 0.21. If you need training scores, please set return train score=True
 warnings.warn(*warn args, **warn kwargs)
/home/ash_sa8/.local/lib/python3.5/site-packages/sklearn/utils/deprecation.py:125: FutureWarning:
You are accessing a training score ('split3_train_score'), which will not be available by default
any more in 0.21. If you need training scores, please set return_train_score=True
 warnings.warn(*warn args, **warn kwargs)
/home/ash sa8/.local/lib/python3.5/site-packages/sklearn/utils/deprecation.py:125: FutureWarning:
You are accessing a training score ('std_train_score'), which will not be available by default any
more in 0.21. If you need training scores, please set return_train_score=True
  warnings.warn(*warn args, **warn kwargs)
Out[52]:
{'mean fit time': array([28.61187267, 16.53506404, 22.35221517, 24.66768789, 14.8657136,
        20.5974015 , 7.10630041, 3.72813076, 19.20391017, 20.2388013 ]),
 'mean score time': array([0.02236551, 0.01792645, 0.01774967, 0.01664084, 0.01618236,
        0.01670998, 0.01605535, 0.01515669, 0.01597267, 0.01477528]),
 'mean test score': array([0.62703056, 0.46910546, 0.48611338, 0.58985795, 0.41282282,
        0.49672812, 0.27243281, 0.45948998, 0.4593856, 0.58227668),
```

```
'mean train score': array([0.70188382, 0.49732916, 0.53593742, 0.64863787, 0.43752013,
       0.53915302, 0.27962742, 0.46360181, 0.49789641, 0.63357001]),
'param_max_depth': masked_array(data=[19, 10, 14, 16, 9, 13, 4, 2, 12, 15],
             mask=[False, False, False, False, False, False, False, False,
                   False, False],
       fill value='?',
           dtype=object),
'params': [{'max depth': 19},
{ 'max depth': 10},
 { 'max depth': 14},
{ 'max_depth': 16},
{ 'max depth': 9},
 { 'max depth': 13},
{ 'max_depth': 4},
 { 'max depth': 2},
 { 'max_depth': 12},
{'max depth': 15}],
'rank_test_score': array([ 1, 6, 5, 2, 9, 4, 10, 7, 8, 3], dtype=int32),
'split0_test_score': array([0.7242146 , 0.79616436, 0.81408933, 0.82411187, 0.77840753,
       0.82058208, 0.1778686 , 0.88028854, 0.80399645, 0.8160582 ]),
'split0 train score': array([0.8141874 , 0.82570209, 0.86509053, 0.88215605, 0.80258989,
       0.86552205, 0.18500383, 0.88209749, 0.84417778, 0.87045494]),
'split1 test score': array([0.68780145, 0.52538709, 0.56445047, 0.61492827, 0.55933742,
       0.60186097, 0.66399548, 0.66878036, 0.57789956, 0.65251106]),
'split1 train score': array([0.80512833, 0.56394099, 0.64415129, 0.70886624, 0.59325075,
       0.66706879, 0.67866218, 0.67777721, 0.63562719, 0.72950368]),
'split2 test score': array([0.43668067, 0.41091513, 0.36600357, 0.42785881, 0.1718667,
       0.36384106, 0.14140631, 0.15170183, 0.26042188, 0.37631165),
'split2 train score': array([0.49489207, 0.44079944, 0.41287478, 0.48105997, 0.19729394,
       0.4066291 , 0.14787325, 0.15580466, 0.29943435, 0.42434988]),
'split3 test score': array([0.65942551, 0.14395528, 0.19991015, 0.49253284, 0.14167963,
       0.20062837, 0.10646085, 0.13718918, 0.19522451, 0.48422579]),
'split3_train_score': array([0.69332746, 0.15887414, 0.22163311, 0.52246921, 0.15694596,
       0.21739212, 0.10697043, 0.13872787, 0.21234633, 0.50997151]),
'std_fit_time': array([15.97768422, 8.65140625, 12.23065583, 13.86374511, 7.88487728,
       11.19834666, 3.55545742, 1.75915708, 10.07628242, 9.424472 ]),
'std score time': array([0.00043226, 0.0029915 , 0.00257454, 0.00254851, 0.00282809,
        0.0022176 \ , \ 0.00269429, \ 0.00257096, \ 0.00107377, \ 0.00182334]) \, , \\
'std test score': array([0.11227238, 0.23411744, 0.22915256, 0.15101268, 0.26772056,
       0.23519585, 0.22747437, 0.3238384 , 0.24605377, 0.16704957]),
'std_train_score': array([0.1286374 , 0.23979852, 0.24185927, 0.15981167, 0.27108967,
       0.2\overline{4696753}, 0.23203015, 0.32453501, 0.25485613, 0.17632881])
```

```
In [ ]:
```

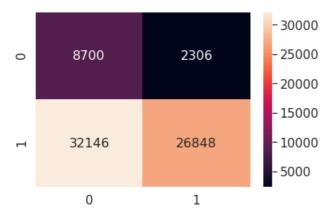
In [53]:

```
from sklearn.metrics import classification_report
from sklearn.tree import DecisionTreeClassifier
from sklearn.metrics import confusion matrix
from sklearn.model_selection import TimeSeriesSplit
from sklearn.metrics import f1_score
import seaborn as sns
clf=DecisionTreeClassifier(criterion='gini', class weight='balanced', max depth=19)
clf.fit(X train1,y train)
pred = (clf.predict(X train1))
print (classification report(y train,pred))
result = confusion_matrix(y_train,pred)
print("Confusion Matrix of test set:\n [ [TN FP]\n [FN TP] ]\n")
print(result)
sns.set(font scale=1.4)#for label size
sns.heatmap(result, annot=True, annot kws={"size": 16}, fmt='g')
\label{eq:constrain}  \texttt{print("f1 on test set: $0.3f%" (f1\_score(y\_train, pred)*100))}
```

		precision	recall	f1-score	support
	0	0.21	0.79	0.34	11006
	1	0.92	0.46	0.61	58994
micro	avg	0.51	0.51	0.51	70000
macro		0.57	0.62	0.47	70000
weighted		0.81	0.51	0.57	70000

```
Confusion Matrix of test set:
[ [TN FP]
[FN TP] ]
```

[[8700 2306] [32146 26848]] fl on test set: 60.916%



In [54]:

```
from gensim.models import Word2Vec
w2v_model=Word2Vec(sent_of_test,min_count=3,size=200, workers=4) # words which occurs 3 times; 500
dimensions
w2v_words = list(w2v_model.wv.vocab)
print("number of words that occured minimum 3 times ",len(w2v_words))
```

number of words that occured minimum 3 times 9777

```
from tqdm import tqdm
# TF-IDF weighted Word2Vec
tfidf feat = model.get feature names() # tfidf words/col-names
tf idf matrix1 = model.transform(X tes.values)
# final tf idf is the sparse matrix with row= sentence, col=word and cell val = tfidf
tfidf sent vectors test = []; # the tfidf-w2v for each sentence/review is stored in this list
row=0;
for sent in tqdm(sent of test):# for each review/sentence
   #print (sent)
   sent vec1 = np.zeros(200) # as word vectors are of zero length
   weight sum =0; # num of words with a valid vector in the sentence/review
   for word in sent: # for each word in a review/sentence
       try:
            #print (word)
           vec = w2v model test.wv[word]
            #print (vec)
            #print (vec.shape)
            # obtain the tf idfidf of a word in a sentence/review
           tfidf = tf idf matrix1[row, tfidf_feat.index(word)]
            #print (tfidf)
           sent vec1 += (vec * tfidf)
            #print ('sent vector')
            #print (sent_vec1)
           weight_sum += tfidf
            #print ('weighted sum')
            #print (weight sum)
       except:
           pass
   if (weight_sum!=0):
       sent vec1 /= weight sum
    tfidf sent vectors test.append(sent vec1)
   row += 1
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             | 1548/30000 [00:32<11:09, 42.51it/s]
5%|
             | 1554/30000 [00:32<11:52, 39.93it/s]
5%1
             | 1559/30000 [00:32<11:37, 40.79it/s]
5%|
             | 1566/30000 [00:32<10:46, 43.97it/s]
5%|
             | 1572/30000 [00:32<10:51, 43.64it/s]
5%|
             | 1580/30000 [00:32<09:34, 49.49it/s]
5%|
             | 1587/30000 [00:33<09:11, 51.49it/s]
5%1
             | 1594/30000 [00:33<08:59, 52.65it/s]
5%|
             | 1602/30000 [00:33<08:32, 55.36it/s]
5%|
             | 1608/30000 [00:33<09:05, 52.02it/s]
5%|
             | 1614/30000 [00:33<08:45, 54.03it/s]
5%1
             | 1623/30000 [00:33<08:51, 53.36it/s]
5%1
             | 1629/30000 [00:33<08:45, 53.95it/s]
5%1
             | 1635/30000 [00:33<08:48, 53.65it/s]
5%|
             | 1641/30000 [00:34<09:03, 52.22it/s]
5%|
             | 1647/30000 [00:34<10:12, 46.27it/s]
6%|
             | 1656/30000 [00:34<09:00, 52.44it/s]
6%|
               1662/30000
                           [00:34<10:52, 43.46it/s]
6%1
             | 1667/30000 [00:34<12:18, 38.37it/s]
             | 1674/30000 [00:34<10:44, 43.95it/s]
6%1
6%|
             | 1683/30000 [00:34<09:12, 51.28it/s]
6%|
             | 1690/30000 [00:34<08:35, 54.95it/s]
6%1
             | 1697/30000 [00:35<08:22, 56.37it/s]
6%|
             | 1704/30000 [00:35<08:19, 56.62it/s]
681
             | 1711/30000 [00:35<10:03, 46.89it/s]
6%1
             | 1717/30000 [00:35<10:17, 45.79it/s]
6%|
             | 1722/30000 [00:35<11:57, 39.44it/s]
6%|
             | 1728/30000 [00:35<10:57, 43.02it/s]
6% |
             | 1735/30000 [00:35<10:08, 46.46it/s]
681
             | 1740/30000 [00:36<10:44, 43.83it/s]
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| 1745/30000 [00:36<12:15, 38.41it/s]
681
6%|
             | 1750/30000 [00:36<12:33, 37.49it/s]
6%1
             | 1760/30000 [00:36<10:27, 45.01it/s]
6%|
             | 1766/30000 [00:36<10:03, 46.76it/s]
6%1
             | 1773/30000 [00:36<09:14, 50.90it/s]
6%|
             | 1782/30000 [00:36<08:14, 57.09it/s]
6%1
             | 1789/30000 [00:37<09:22, 50.19it/s]
             | 1795/30000 [00:37<09:44, 48.26it/s]
6%1
681
             | 1801/30000 [00:37<10:07, 46.44it/s]
6%|
             | 1807/30000 [00:37<09:26, 49.72it/s]
             | 1813/30000 [00:37<09:24, 49.98it/s]
681
681
             | 1819/30000 [00:37<08:58, 52.37it/s]
6%|
             | 1825/30000 [00:37<12:38, 37.13it/s]
6%|
             | 1835/30000 [00:38<10:46, 43.53it/s]
6%|
             | 1842/30000 [00:38<09:56, 47.24it/s]
681
             | 1848/30000 [00:38<10:35, 44.29it/s]
             | 1857/30000 [00:38<09:03, 51.78it/s]
6%1
6%1
             | 1864/30000 [00:38<09:06, 51.45it/s]
             | 1870/30000 [00:38<09:03, 51.76it/s]
6%|
6%|
             | 1876/30000 [00:38<09:20, 50.13it/s]
6%|
             | 1884/30000 [00:38<08:41, 53.91it/s]
6%|
             | 1894/30000 [00:39<07:43, 60.65it/s]
             | 1902/30000 [00:39<07:55, 59.08it/s]
6%|
6%|
             | 1909/30000 [00:39<09:14, 50.67it/s]
6%|
             | 1916/30000 [00:39<08:33, 54.65it/s]
6%|
             | 1923/30000 [00:39<08:23, 55.75it/s]
6%|
             | 1930/30000 [00:39<08:36, 54.30it/s]
6%1
             | 1936/30000 [00:39<09:37, 48.64it/s]
             | 1942/30000 [00:40<09:08, 51.14it/s]
681
             | 1950/30000 [00:40<08:10, 57.24it/s]
6%1
7%|
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             | 1964/30000 [00:40<08:39, 53.97it/s]
7%|
7%|
             | 1971/30000 [00:40<10:20, 45.18it/s]
7%|
             | 1979/30000 [00:40<09:15, 50.43it/s]
7%|
             | 1986/30000 [00:40<08:34, 54.41it/s]
7%|
             | 1992/30000 [00:41<12:48, 36.44it/s]
             | 1997/30000 [00:41<12:00, 38.88it/s]
7%|
7%|
             | 2002/30000 [00:41<11:40, 39.98it/s]
7%|
             | 2007/30000 [00:41<11:57, 39.00it/s]
7%|
             | 2013/30000 [00:41<11:05, 42.07it/s]
7%|
             | 2019/30000 [00:41<10:18, 45.23it/s]
7%|
             | 2025/30000 [00:41<10:06, 46.13it/s]
7%|
             | 2032/30000 [00:41<09:29, 49.07it/s]
7%|
             | 2038/30000 [00:42<11:13, 41.49it/s]
7%|
             | 2045/30000 [00:42<10:04, 46.21it/s]
7%|
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7%|
             | 2057/30000 [00:42<09:20, 49.81it/s]
7%|
             | 2063/30000 [00:42<09:21, 49.78it/s]
7%|
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             | 2078/30000 [00:42<08:26, 55.15it/s]
7%|
7%|
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7%|
             | 2090/30000 [00:43<10:22, 44.85it/s]
7%|
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7%|
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7%|
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             | 2127/30000 [00:43<07:48, 59.52it/s]
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7%|
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7%|
             | 2147/30000 [00:44<09:05, 51.03it/s]
7%|
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7%|
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7%|
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7%|
             | 2175/30000 [00:44<08:49, 52.50it/s]
7%|
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7%|
             | 2188/30000 [00:44<08:48, 52.67it/s]
7%|
             | 2194/30000 [00:44<08:46, 52.81it/s]
7%|
             | 2200/30000 [00:45<09:14, 50.15it/s]
7%|
             | 2206/30000 [00:45<09:08, 50.68it/s]
7%|
             | 2214/30000 [00:45<08:09, 56.76it/s]
7%|
             | 2220/30000 [00:45<08:56, 51.79it/s]
             | 2226/30000 [00:45<08:40, 53.40it/s]
7%|
7%|
             | 2232/30000 [00:45<08:24, 55.01it/s]
7%|
             | 2239/30000 [00:45<07:58, 58.00it/s]
7%|
             | 2245/30000 [00:45<08:49, 52.38it/s]
8%|
             | 2252/30000 [00:46<08:15, 56.03it/s]
8%|
             | 2258/30000 [00:46<09:36, 48.09it/s]
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8%|
             | 2264/30000 [00:46<09:08, 50.61it/s]
881
             | 2274/30000 [00:46<08:16, 55.83it/s]
8%1
             | 2280/30000 [00:46<08:21, 55.27it/s]
             | 2286/30000 [00:46<08:13, 56.10it/s]
8%1
             | 2292/30000 [00:46<08:11, 56.43it/s]
8%|
8%|
             | 2298/30000 [00:46<08:46, 52.60it/s]
             | 2305/30000 [00:47<08:29, 54.34it/s]
8%1
8%|
             | 2311/30000 [00:47<09:35, 48.15it/s]
8%|
             | 2317/30000 [00:47<09:41, 47.61it/s]
881
             | 2327/30000 [00:47<08:15, 55.79it/s]
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             | 2334/30000 [00:47<07:59, 57.73it/s]
8%|
             | 2341/30000 [00:47<09:47, 47.12it/s]
             | 2347/30000 [00:47<10:55, 42.20it/s]
8%1
             | 2352/30000 [00:48<10:49, 42.55it/s]
8%1
8%|
             | 2359/30000 [00:48<10:57, 42.02it/s]
             | 2364/30000 [00:48<12:16, 37.55it/s]
8%|
8%1
             | 2370/30000 [00:48<11:11, 41.13it/s]
             | 2375/30000 [00:48<11:15, 40.90it/s]
8%1
8%1
             | 2380/30000 [00:48<11:24, 40.33it/s]
8%|
             | 2390/30000 [00:48<09:28, 48.56it/s]
881
             | 2396/30000 [00:49<12:43, 36.18it/s]
8%|
             | 2403/30000 [00:49<11:37, 39.56it/s]
8%|
             | 2409/30000 [00:49<10:45, 42.72it/s]
8%|
             | 2414/30000 [00:49<11:06, 41.39it/s]
             | 2423/30000 [00:49<09:38, 47.69it/s]
8%|
8%|
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             | 2442/30000 [00:50<09:52, 46.53it/s]
8%|
             | 2448/30000 [00:50<09:49, 46.73it/s]
8%|
8%|
             | 2455/30000 [00:50<09:18, 49.28it/s]
8%|
             | 2461/30000 [00:50<10:00, 45.86it/s]
8%|
             | 2469/30000 [00:50<08:53, 51.57it/s]
8%|
             | 2475/30000 [00:50<09:45, 47.05it/s]
8%|
             | 2481/30000 [00:50<10:07, 45.32it/s]
8%|
             | 2488/30000 [00:50<09:14, 49.64it/s]
             | 2496/30000 [00:51<08:20, 54.93it/s]
8%|
8%|
             | 2504/30000 [00:51<07:45, 59.01it/s]
8%|
             | 2511/30000 [00:51<08:18, 55.12it/s]
8%|
             | 2519/30000 [00:51<07:34, 60.51it/s]
             | 2526/30000 [00:51<07:30, 61.03it/s]
8%1
8%|
             | 2533/30000 [00:51<07:49, 58.45it/s]
8%|
             | 2540/30000 [00:51<08:24, 54.41it/s]
             | 2546/30000 [00:51<08:18, 55.13it/s]
8%|
9%|
             | 2552/30000 [00:52<09:09, 49.91it/s]
9%1
             | 2560/30000 [00:52<08:38, 52.90it/s]
             | 2569/30000 [00:52<07:37, 59.99it/s]
9%1
9%|
             | 2577/30000 [00:52<07:03, 64.77it/s]
9%|
             | 2584/30000 [00:52<07:47, 58.60it/s]
981
             | 2591/30000 [00:52<09:03, 50.44it/s]
9%|
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9%|
             | 2605/30000 [00:53<08:44, 52.20it/s]
9%|
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9%|
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9%|
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9%1
             | 2640/30000 [00:53<09:44, 46.77it/s]
             | 2645/30000 [00:53<09:36, 47.45it/s]
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9%|
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9%|
             | 2657/30000 [00:54<10:43, 42.47it/s]
9%|
             | 2664/30000 [00:54<09:36, 47.41it/s]
981
             | 2670/30000 [00:54<09:44, 46.79it/s]
9%1
             | 2679/30000 [00:54<08:24, 54.21it/s]
981
             | 2687/30000 [00:54<07:51, 57.98it/s]
9%|
             | 2694/30000 [00:54<08:10, 55.62it/s]
9%|
             | 2700/30000 [00:54<08:15, 55.08it/s]
9%|
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9%|
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             | 2717/30000 [00:55<10:04, 45.12it/s]
9%|
9%|
             | 2724/30000 [00:55<09:06, 49.89it/s]
9%|
             | 2730/30000 [00:55<10:18, 44.10it/s]
9%|
             | 2735/30000 [00:55<10:22, 43.80it/s]
9%1
             | 2740/30000 [00:55<10:59, 41.35it/s]
9%1
             | 2747/30000 [00:55<09:54, 45.87it/s]
9%|
             | 2752/30000 [00:56<11:08, 40.79it/s]
             | 2757/30000 [00:56<10:53, 41.69it/s]
9%|
9%|
             | 2764/30000 [00:56<09:36, 47.20it/s]
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9%|
              | 2770/30000 [00:56<10:34, 42.90it/s]
 981
              | 2775/30000 [00:56<10:22, 43.74it/s]
 9%|
              | 2781/30000 [00:56<09:52, 45.92it/s]
 9%|
              | 2788/30000 [00:56<10:54, 41.58it/s]
 981
              | 2796/30000 [00:57<09:28, 47.83it/s]
 9%1
              | 2802/30000 [00:57<09:14, 49.06it/s]
 9%|
              | 2808/30000 [00:57<08:49, 51.32it/s]
 9%|
              | 2815/30000 [00:57<08:23, 53.96it/s]
              | 2821/30000 [00:57<10:27, 43.33it/s]
 9%1
 9%|
              | 2826/30000 [00:57<10:26, 43.38it/s]
 9%|
              | 2833/30000 [00:57<09:30, 47.60it/s]
 9%1
              | 2839/30000 [00:57<10:21, 43.68it/s]
 9%|
              | 2844/30000 [00:58<11:23, 39.75it/s]
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              | 2849/30000 [00:58<12:31, 36.11it/s]
10%|
              | 2857/30000 [00:58<10:29, 43.15it/s]
              | 2864/30000 [00:58<09:19, 48.50it/s]
10%|
10%|
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10%|
              | 2878/30000 [00:58<08:16, 54.60it/s]
10%1
              | 2885/30000 [00:58<09:12, 49.10it/s]
              | 2892/30000 [00:59<08:31, 53.02it/s]
10%|
10%|
              | 2898/30000 [00:59<09:05, 49.67it/s]
10%|
              | 2904/30000 [00:59<09:54, 45.59it/s]
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              | 2909/30000 [00:59<12:25, 36.32it/s]
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              | 2914/30000 [00:59<11:56, 37.80it/s]
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              | 2920/30000 [00:59<10:52, 41.50it/s]
10%|
              | 2929/30000 [00:59<09:07, 49.41it/s]
              | 2935/30000 [00:59<09:31, 47.36it/s]
10%|
10%|
              | 2941/30000 [01:00<09:10, 49.14it/s]
10%|
              | 2947/30000 [01:00<09:24, 47.94it/s]
10%|
              | 2953/30000 [01:00<10:51, 41.52it/s]
10%|
              | 2960/30000 [01:00<09:57, 45.25it/s]
10%|
              | 2966/30000 [01:00<09:31, 47.28it/s]
              | 2973/30000 [01:00<08:48, 51.14it/s]
10%|
10%|
              | 2979/30000 [01:00<08:46, 51.33it/s]
10%|
              | 2986/30000 [01:00<08:06, 55.52it/s]
10%|
              | 2992/30000 [01:01<08:55, 50.46it/s]
10%|
              | 2999/30000 [01:01<08:14, 54.58it/s]
              | 3005/30000 [01:01<08:49, 51.02it/s]
10%|
10%|
              | 3011/30000 [01:01<08:31, 52.76it/s]
10%|
              | 3019/30000 [01:01<08:01, 56.07it/s]
10%|
              | 3025/30000 [01:01<09:41, 46.36it/s]
10%|
              | 3031/30000 [01:01<10:02, 44.76it/s]
10%|
              | 3037/30000 [01:02<09:19, 48.16it/s]
10%|
10%|
10%|
              | 3043/30000 [01:02<09:25, 47.65it/s]
                3048/30000 [01:02<09:52, 45.52it/s]
              | 3053/30000 [01:02<10:49, 41.47it/s]
10%|
              | 3058/30000 [01:02<11:15, 39.88it/s]
10%|
              | 3063/30000 [01:02<11:16, 39.79it/s]
10%|
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10%|
              | 3075/30000 [01:02<09:36, 46.71it/s]
10%|
              | 3083/30000 [01:03<09:16, 48.37it/s]
10%|
              | 3089/30000 [01:03<09:33, 46.94it/s]
              | 3096/30000 [01:03<08:37, 52.02it/s]
10%|
10%|
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10%|
              | 3111/30000 [01:03<09:16, 48.30it/s]
                3118/30000 [01:03<08:57, 50.05it/s]
10%|
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10%|
              | 3131/30000 [01:04<09:17, 48.22it/s]
10%|
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10%|
              | 3143/30000 [01:04<08:59, 49.78it/s]
11% |
11% |
              | 3151/30000 [01:04<08:08, 54.97it/s]
              | 3159/30000 [01:04<07:32, 59.28it/s]
              | 3167/30000 [01:04<07:03, 63.34it/s]
11%|
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              | 3180/30000 [01:04<08:27, 52.86it/s]
11%|
11%|
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              | 3192/30000 [01:05<11:21, 39.32it/s]
11%|
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11%|
              | 3202/30000 [01:05<12:37, 35.39it/s]
11%|
              | 3208/30000 [01:05<11:10, 39.93it/s]
11%|
              | 3215/30000 [01:05<09:55, 44.99it/s]
11% |
11% |
              | 3221/30000 [01:05<10:13, 43.66it/s]
              | 3226/30000 [01:06<10:51, 41.10it/s]
11%|
              | 3234/30000 [01:06<09:29, 47.03it/s]
11%|
              | 3241/30000 [01:06<08:35, 51.88it/s]
11%|
              | 3247/30000 [01:06<08:59, 49.57it/s]
11%|
             | 3255/30000 [01:06<08:04, 55.17it/s]
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11%|
              | 3261/30000 [01:06<09:14, 48.19it/s]
                3267/30000 [01:06<09:06, 48.92it/s]
11%|
              | 3273/30000 [01:07<10:39, 41.82it/s]
              | 3278/30000 [01:07<10:51, 41.01it/s]
11%|
11%|
             | 3284/30000 [01:07<09:57, 44.68it/s]
11%|
              | 3289/30000 [01:07<10:01, 44.44it/s]
11%|
              | 3296/30000 [01:07<10:10, 43.72it/s]
11%|
              | 3303/30000 [01:07<10:16, 43.33it/s]
11%|
             | 3312/30000 [01:07<08:57, 49.64it/s]
11%|
              | 3318/30000 [01:07<08:30, 52.29it/s]
11%|
             | 3324/30000 [01:08<08:17, 53.57it/s]
11%|
              | 3330/30000 [01:08<09:24, 47.21it/s]
              | 3336/30000 [01:08<08:49, 50.38it/s]
11%|
11%|
             | 3343/30000 [01:08<08:13, 54.05it/s]
             | 3351/30000 [01:08<07:40, 57.91it/s]
11%|
             | 3358/30000 [01:08<08:08, 54.56it/s]
11% | 11% |
              | 3364/30000 [01:08<08:49, 50.35it/s]
              | 3370/30000 [01:09<10:58, 40.46it/s]
11%|
              | 3375/30000 [01:09<12:33, 35.35it/s]
11%|
             | 3381/30000 [01:09<11:07, 39.88it/s]
11%|
              | 3387/30000 [01:09<10:03, 44.09it/s]
11%|
              | 3392/30000 [01:09<10:00, 44.29it/s]
11%|
              | 3399/30000 [01:09<10:05, 43.93it/s]
              | 3404/30000 [01:09<10:20, 42.84it/s]
11%|
             | 3409/30000 [01:09<10:11, 43.48it/s]
11%|
             | 3414/30000 [01:10<10:55, 40.56it/s]
11%|
             | 3420/30000 [01:10<10:13, 43.32it/s]
11%|
             | 3428/30000 [01:10<08:54, 49.71it/s]
11%|
              | 3434/30000 [01:10<08:39, 51.13it/s]
11%|
              | 3440/30000 [01:10<09:43, 45.52it/s]
11%|
             | 3446/30000 [01:10<09:02, 48.97it/s]
12%|
             | 3453/30000 [01:10<08:30, 51.97it/s]
12%|
             | 3459/30000 [01:10<08:31, 51.93it/s]
12% | 1
              | 3465/30000 [01:11<08:33, 51.67it/s]
              | 3471/30000 [01:11<09:02, 48.87it/s]
12%|
             | 3477/30000 [01:11<09:10, 48.21it/s]
12%|
             | 3485/30000 [01:11<08:18, 53.19it/s]
12%|
             | 3494/30000 [01:11<07:29, 58.97it/s]
             | 3502/30000 [01:11<06:54, 63.88it/s]
12%|
              | 3509/30000 [01:11<07:10, 61.52it/s]
12%|
12%|
              | 3517/30000 [01:11<06:58, 63.30it/s]
12%|
             | 3526/30000 [01:11<06:43, 65.59it/s]
12%|
              | 3533/30000 [01:12<07:20, 60.03it/s]
12%|
              | 3540/30000 [01:12<09:47, 45.02it/s]
12%|
              | 3546/30000 [01:12<09:59, 44.10it/s]
12%|
              | 3551/30000 [01:12<13:02, 33.78it/s]
12%|
             | 3559/30000 [01:12<11:06, 39.66it/s]
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             | 3564/30000 [01:12<10:53, 40.45it/s]
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             | 3573/30000 [01:13<09:11, 47.93it/s]
12%|
             | 3579/30000 [01:13<10:26, 42.20it/s]
12%|
              | 3586/30000 [01:13<09:13, 47.76it/s]
12%|
              | 3592/30000 [01:13<09:08, 48.17it/s]
12%|
             | 3598/30000 [01:13<09:41, 45.41it/s]
12%|
              | 3606/30000 [01:13<08:35, 51.20it/s]
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              | 3614/30000 [01:13<07:46, 56.55it/s]
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              | 3621/30000 [01:13<07:54, 55.59it/s]
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              | 3627/30000 [01:14<09:21, 46.97it/s]
12%|
             | 3634/30000 [01:14<08:29, 51.77it/s]
12%|
             | 3640/30000 [01:14<08:16, 53.12it/s]
12%|
             | 3646/30000 [01:14<11:18, 38.86it/s]
12%|
              | 3652/30000 [01:14<10:17, 42.67it/s]
12%|
              | 3658/30000 [01:14<09:25, 46.55it/s]
              | 3664/30000 [01:14<10:08, 43.25it/s]
12%1
12%|
             | 3669/30000 [01:15<10:27, 41.96it/s]
12%|
              | 3674/30000 [01:15<10:14, 42.82it/s]
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              | 3680/30000 [01:15<09:34, 45.85it/s]
12% | 1
              | 3686/30000 [01:15<08:57, 48.93it/s]
              | 3692/30000 [01:15<08:49, 49.70it/s]
12%|
             | 3701/30000 [01:15<07:38, 57.39it/s]
12%|
             | 3708/30000 [01:15<08:04, 54.27it/s]
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             | 3714/30000 [01:15<09:08, 47.96it/s]
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              | 3720/30000 [01:16<08:57, 48.87it/s]
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              | 3726/30000 [01:16<08:44, 50.13it/s]
              | 3734/30000 [01:16<07:49, 55.99it/s]
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              | 3740/30000 [01:16<08:23, 52.16it/s]
12%|
              | 3746/30000 [01:16<08:29, 51.56it/s]
13%|
             | 3752/30000 [01:16<08:27, 51.69it/s]
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13%|
             | 3758/30000 [01:16<10:18, 42.44it/s]
13%|
                3765/30000 [01:16<09:13, 47.41it/s]
13%|
              | 3774/30000 [01:17<08:05, 54.05it/s]
              | 3781/30000 [01:17<07:37, 57.28it/s]
13%|
13%|
             | 3788/30000 [01:17<07:18, 59.83it/s]
             | 3795/30000 [01:17<07:26, 58.70it/s]
13%|
13%|
             | 3802/30000 [01:17<10:00, 43.64it/s]
13%|
             | 3808/30000 [01:17<09:14, 47.25it/s]
             | 3815/30000 [01:17<08:24, 51.87it/s]
13%|
13%|
             | 3823/30000 [01:17<07:42, 56.64it/s]
13%|
             | 3830/30000 [01:18<08:38, 50.44it/s]
13%|
             | 3836/30000 [01:18<08:27, 51.57it/s]
13% | 1
             | 3842/30000 [01:18<09:18, 46.86it/s]
              | 3848/30000 [01:18<09:30, 45.88it/s]
13%|
             | 3854/30000 [01:18<09:10, 47.48it/s]
13%|
             | 3859/30000 [01:18<09:30, 45.84it/s]
13%|
             | 3864/30000 [01:18<09:50, 44.23it/s]
13%|
             | 3872/30000 [01:19<08:35, 50.70it/s]
13%|
             | 3878/30000 [01:19<08:53, 49.01it/s]
13%1
             | 3884/30000 [01:19<09:41, 44.92it/s]
13%|
             | 3891/30000 [01:19<09:01, 48.21it/s]
13%|
             | 3897/30000 [01:19<11:05, 39.22it/s]
13%|
             | 3902/30000 [01:19<15:06, 28.79it/s]
13%|
             | 3910/30000 [01:20<12:36, 34.51it/s]
             | 3916/30000 [01:20<11:09, 38.97it/s]
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             | 3925/30000 [01:20<09:26, 46.03it/s]
13%|
             | 3931/30000 [01:20<10:18, 42.18it/s]
             | 3937/30000 [01:20<09:55, 43.75it/s]
13%|
13%|
             | 3943/30000 [01:20<09:36, 45.18it/s]
13%|
             | 3948/30000 [01:20<09:35, 45.29it/s]
             | 3957/30000 [01:20<08:11, 52.94it/s]
13%1
13%|
             | 3964/30000 [01:21<08:07, 53.45it/s]
13%|
             | 3972/30000 [01:21<07:52, 55.11it/s]
13%|
             | 3978/30000 [01:21<08:19, 52.07it/s]
13%I
13%|||
             | 3984/30000 [01:21<08:05, 53.63it/s]
             | 3993/30000 [01:21<07:18, 59.32it/s]
13%|
             | 4000/30000 [01:21<07:00, 61.85it/s]
13%|
             | 4007/30000 [01:21<06:58, 62.15it/s]
13%|
             | 4014/30000 [01:21<08:02, 53.81it/s]
13%|
             | 4020/30000 [01:22<09:38, 44.91it/s]
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             | 4027/30000 [01:22<09:05, 47.59it/s]
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             | 4033/30000 [01:22<09:09, 47.28it/s]
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             | 4038/30000 [01:22<09:14, 46.82it/s]
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             | 4043/30000 [01:22<09:08, 47.29it/s]
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             | 4048/30000 [01:22<11:19, 38.22it/s]
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             | 4053/30000 [01:22<11:58, 36.09it/s]
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             | 4057/30000 [01:23<11:42, 36.94it/s]
             | 4062/30000 [01:23<10:47, 40.06it/s]
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             | 4069/30000 [01:23<09:35, 45.06it/s]
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             | 4074/30000 [01:23<09:22, 46.11it/s]
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             | 4081/30000 [01:23<08:25, 51.30it/s]
             | 4088/30000 [01:23<07:52, 54.80it/s]
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             | 4094/30000 [01:23<08:16, 52.14it/s]
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             | 4100/30000 [01:23<08:38, 49.91it/s]
14%|
              | 4113/30000 [01:23<07:05, 60.82it/s]
             | 4121/30000 [01:24<07:49, 55.18it/s]
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             | 4129/30000 [01:24<07:45, 55.63it/s]
              | 4136/30000 [01:24<08:53, 48.48it/s]
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             | 4142/30000 [01:24<09:50, 43.75it/s]
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             | 4148/30000 [01:24<09:45, 44.12it/s]
             | 4153/30000 [01:24<09:31, 45.24it/s]
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             | 4158/30000 [01:24<10:23, 41.45it/s]
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              | 4163/30000 [01:25<10:58, 39.26it/s]
             | 4172/30000 [01:25<09:11, 46.80it/s]
              | 4180/30000 [01:25<08:17, 51.93it/s]
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14%|
              | 4186/30000 [01:25<08:02, 53.54it/s]
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             | 4192/30000 [01:25<08:57, 48.00it/s]
             | 4198/30000 [01:25<09:12, 46.70it/s]
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              | 4204/30000 [01:25<09:12, 46.71it/s]
14%|
             | 4210/30000 [01:26<10:48, 39.80it/s]
14%|
             | 4218/30000 [01:26<09:11, 46.72it/s]
             | 4227/30000 [01:26<07:53, 54.43it/s]
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             | 4234/30000 [01:26<07:44, 55.51it/s]
14%|
              | 4241/30000 [01:26<10:36, 40.50it/s]
              | 4250/30000 [01:26<09:03, 47.39it/s]
14%|
              | 4260/30000 [01:26<07:40, 55.86it/s]
14%|
             | 4268/30000 [01:27<07:57, 53.93it/s]
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| 4275/30000 [01:27<08:02, 53.34it/s]
14%|
14%|
              | 4282/30000 [01:27<08:15, 51.94it/s]
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              | 4290/30000 [01:27<07:40, 55.84it/s]
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              | 4297/30000 [01:27<07:45, 55.19it/s]
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              | 4305/30000 [01:27<07:12, 59.41it/s]
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              | 4312/30000 [01:27<07:50, 54.63it/s]
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             | 4321/30000 [01:27<07:13, 59.25it/s]
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             | 4328/30000 [01:28<07:39, 55.92it/s]
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              | 4334/30000 [01:28<09:18, 45.95it/s]
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              | 4352/30000 [01:28<07:53, 54.12it/s]
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              | 4359/30000 [01:28<08:10, 52.29it/s]
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             | 4365/30000 [01:28<08:54, 48.00it/s]
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              | 4371/30000 [01:28<09:43, 43.90it/s]
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              | 4377/30000 [01:29<09:38, 44.27it/s]
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             | 4386/30000 [01:29<08:32, 49.95it/s]
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             | 4392/30000 [01:29<08:22, 50.94it/s]
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             | 4400/30000 [01:29<07:46, 54.82it/s]
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             | 4407/30000 [01:29<07:43, 55.16it/s]
             | 4413/30000 [01:29<11:11, 38.09it/s]
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             | 4419/30000 [01:29<10:14, 41.64it/s]
              | 4425/30000 [01:30<09:19, 45.70it/s]
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             | 4431/30000 [01:30<12:10, 34.98it/s]
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             | 4439/30000 [01:30<10:22, 41.04it/s]
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              | 4445/30000 [01:30<09:25, 45.20it/s]
15%|
             | 4451/30000 [01:30<12:03, 35.30it/s]
15%|
             | 4456/30000 [01:30<12:26, 34.20it/s]
15%|
             | 4461/30000 [01:31<11:51, 35.90it/s]
15%|
             | 4467/30000 [01:31<11:04, 38.41it/s]
15%|
             | 4472/30000 [01:31<15:16, 27.86it/s]
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             | 4476/30000 [01:31<15:46, 26.97it/s]
             | 4480/30000 [01:31<15:33, 27.35it/s]
15%|
              | 4488/30000 [01:31<13:20, 31.85it/s]
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             | 4494/30000 [01:32<11:32, 36.85it/s]
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             | 4499/30000 [01:32<11:01, 38.58it/s]
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              | 4504/30000 [01:32<10:36, 40.04it/s]
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             | 4512/30000 [01:32<09:29, 44.74it/s]
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             | 4518/30000 [01:32<09:32, 44.52it/s]
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             | 4524/30000 [01:32<08:49, 48.13it/s]
             | 4532/30000 [01:32<08:42, 48.71it/s]
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             | 4543/30000 [01:33<09:45, 43.47it/s]
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              | 4554/30000 [01:33<10:15, 41.31it/s]
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             | 4559/30000 [01:33<09:46, 43.38it/s]
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             | 4567/30000 [01:33<08:40, 48.86it/s]
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              | 4573/30000 [01:33<10:08, 41.76it/s]
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             | 4578/30000 [01:33<11:05, 38.23it/s]
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             | 4585/30000 [01:34<09:38, 43.97it/s]
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             | 4590/30000 [01:34<10:13, 41.44it/s]
             | 4595/30000 [01:34<10:07, 41.84it/s]
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             | 4600/30000 [01:34<11:09, 37.96it/s]
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              | 4606/30000 [01:34<10:09, 41.69it/s]
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             | 4612/30000 [01:34<09:49, 43.06it/s]
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              | 4619/30000 [01:34<08:59, 47.02it/s]
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             | 4626/30000 [01:34<08:07, 52.01it/s]
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              | 4632/30000 [01:35<08:53, 47.55it/s]
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              | 4638/30000 [01:35<08:45, 48.30it/s]
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              | 4644/30000 [01:35<08:30, 49.70it/s]
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              | 4650/30000 [01:35<08:32, 49.46it/s]
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              | 4659/30000 [01:35<07:31, 56.13it/s]
16%|
             | 4666/30000 [01:35<08:28, 49.82it/s]
16%|
              | 4672/30000 [01:35<09:05, 46.47it/s]
              | 4681/30000 [01:35<07:51, 53.64it/s]
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              | 4687/30000 [01:36<10:18, 40.93it/s]
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              | 4692/30000 [01:36<10:01, 42.09it/s]
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              | 4706/30000 [01:36<08:21, 50.44it/s]
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              | 4714/30000 [01:36<07:38, 55.19it/s]
16%|
              | 4721/30000 [01:36<09:42, 43.43it/s]
              | 4727/30000 [01:37<10:01, 42.00it/s]
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              | 4732/30000 [01:37<12:14, 34.38it/s]
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             | 4739/30000 [01:37<10:31, 39.99it/s]
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              | 4746/30000 [01:37<09:14, 45.57it/s]
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              | 4752/30000 [01:37<10:03, 41.82it/s]
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              | 4758/30000 [01:37<09:18, 45.17it/s]
             | 4764/30000 [01:37<09:18, 45.21it/s]
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16%|
                       | 4769/30000 [01:37<09:33, 43.98it/s]
16%|
                       4774/30000 [01:38<10:09, 41.36it/s]
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                       | 4782/30000 [01:38<08:52, 47.32it/s]
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                       | 4788/30000 [01:38<10:13, 41.13it/s]
16%|
                       | 4795/30000 [01:38<09:19, 45.03it/s]
16%1
                       | 4800/30000 [01:38<09:34, 43.85it/s]
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                       | 4807/30000 [01:38<08:47, 47.74it/s]
16%|
                      | 4813/30000 [01:38<10:30, 39.97it/s]
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                       | 4819/30000 [01:39<09:28, 44.32it/s]
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                       | 4824/30000 [01:39<09:48, 42.75it/s]
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                       | 4830/30000 [01:39<09:06, 46.06it/s]
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                       | 4837/30000 [01:39<08:16, 50.70it/s]
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                       | 4843/30000 [01:39<09:30, 44.10it/s]
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                       | 4848/30000 [01:39<10:06, 41.50it/s]
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                       | 4853/30000 [01:39<12:16, 34.13it/s]
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                       | 4857/30000 [01:40<14:47, 28.33it/s]
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                       | 4862/30000 [01:40<13:33, 30.89it/s]
                      | 4870/30000 [01:40<11:15, 37.18it/s]
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                      | 4884/30000 [01:40<14:11, 29.48it/s]
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                      | 4907/30000 [01:41<11:29, 36.39it/s]
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                      | 4915/30000 [01:41<09:41, 43.14it/s]
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                      | 4926/30000 [01:41<09:53, 42.26it/s]
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                       | 4932/30000 [01:41<09:41, 43.13it/s]
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                      | 4940/30000 [01:42<08:43, 47.86it/s]
16%|
                      | 4947/30000 [01:42<08:23, 49.79it/s]
17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 17% | 
                       | 4953/30000 [01:42<08:27, 49.39it/s]
                      | 4959/30000 [01:42<08:42, 47.92it/s]
17%|
                      | 4966/30000 [01:42<07:54, 52.78it/s]
17%|
                       | 4972/30000 [01:42<08:23, 49.69it/s]
17%|
                      | 4978/30000 [01:42<10:22, 40.17it/s]
17%
                       | 4984/30000 [01:43<09:53, 42.14it/s]
17%|
                       | 4991/30000 [01:43<09:15, 45.06it/s]
17%|
                      | 4998/30000 [01:43<08:46, 47.49it/s]
17%|
                       | 5003/30000 [01:43<08:40, 48.04it/s]
17%|
                      | 5013/30000 [01:43<07:26, 55.98it/s]
17%|
                      | 5020/30000 [01:43<10:20, 40.24it/s]
17%|
                       | 5027/30000 [01:43<09:04, 45.84it/s]
17%|
                       | 5033/30000 [01:44<08:28, 49.11it/s]
17%|
                       | 5039/30000 [01:44<08:04, 51.50it/s]
17%|
                       | 5046/30000 [01:44<07:51, 52.91it/s]
17%|
                      | 5054/30000 [01:44<07:49, 53.09it/s]
17%|
                      | 5061/30000 [01:44<07:17, 57.05it/s]
17%|
                          5069/30000 [01:44<06:48, 61.08it/s]
17%|
                      | 5076/30000 [01:44<07:03, 58.83it/s]
17%|
                       | 5087/30000 [01:44<06:09, 67.44it/s]
17%|
                      | 5095/30000 [01:45<08:29, 48.88it/s]
17%|
                      | 5103/30000 [01:45<07:41, 53.96it/s]
17%|
                       | 5111/30000 [01:45<07:02, 58.87it/s]
17%|
                       | 5118/30000 [01:45<08:30, 48.78it/s]
17%|
                       | 5124/30000 [01:45<08:49, 46.97it/s]
17%|
                       | 5130/30000 [01:45<09:18, 44.54it/s]
17%|
                      | 5136/30000 [01:45<08:45, 47.30it/s]
17%|
                       | 5142/30000 [01:46<11:44, 35.26it/s]
                       | 5147/30000 [01:46<11:31, 35.96it/s]
17%|
17%|
                       | 5152/30000 [01:46<10:57, 37.78it/s]
17%|
                       | 5157/30000 [01:46<10:47, 38.38it/s]
17%|
                       | 5163/30000 [01:46<09:58, 41.51it/s]
17%|
                       | 5169/30000 [01:46<09:48, 42.18it/s]
17%|
                       | 5174/30000 [01:46<09:58, 41.46it/s]
17%|
                       | 5179/30000 [01:47<10:53, 37.97it/s]
17%|
                       | 5187/30000 [01:47<09:14, 44.77it/s]
17%|
                       | 5193/30000 [01:47<08:57, 46.13it/s]
17%|
                       | 5199/30000 [01:47<08:31, 48.44it/s]
17%|
                       | 5205/30000 [01:47<10:30, 39.33it/s]
17%|
                       | 5211/30000 [01:47<09:25, 43.83it/s]
17%|
                       | 5217/30000 [01:47<08:51, 46.60it/s]
17%|
                       | 5225/30000 [01:47<07:46, 53.13it/s]
17%|
                       | 5231/30000 [01:48<07:44, 53.32it/s]
17%|
                       | 5237/30000 [01:48<08:22, 49.26it/s]
17%|
                          5243/30000 [01:48<08:09, 50.61it/s]
17%
                       | 5249/30000 [01:48<07:51, 52.52it/s]
                       | 5257/30000 [01:48<07:27, 55.28it/s]
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18%|
              | 5266/30000 [01:48<07:10, 57.39it/s]
              | 5272/30000 [01:48<07:32, 54.70it/s]
18%|
18%|
             | 5280/30000 [01:48<06:50, 60.28it/s]
18%|
                5287/30000 [01:49<06:50, 60.13it/s]
18%|
              | 5294/30000 [01:49<09:19, 44.16it/s]
18%|
             | 5300/30000 [01:49<09:10, 44.85it/s]
18%|
              | 5308/30000 [01:49<08:16, 49.73it/s]
18%|
             | 5314/30000 [01:49<08:31, 48.24it/s]
18%|
             | 5320/30000 [01:49<08:28, 48.51it/s]
18%|
              | 5327/30000 [01:49<09:04, 45.34it/s]
18%|
             | 5332/30000 [01:50<12:04, 34.03it/s]
18%|
              | 5336/30000 [01:50<12:43, 32.30it/s]
18%|
              | 5344/30000 [01:50<10:39, 38.57it/s]
18%|
             | 5350/30000 [01:50<09:50, 41.72it/s]
18%|
                5355/30000 [01:50<10:04, 40.74it/s]
18%|
              | 5360/30000 [01:50<10:27, 39.27it/s]
18%|
             | 5370/30000 [01:50<08:36, 47.68it/s]
18%|
             | 5376/30000 [01:51<09:21, 43.89it/s]
18%|
             | 5384/30000 [01:51<08:04, 50.76it/s]
18%|
             | 5391/30000 [01:51<07:57, 51.53it/s]
              | 5398/30000 [01:51<07:24, 55.33it/s]
18%|
18%|
             | 5407/30000 [01:51<06:49, 60.07it/s]
              | 5414/30000 [01:51<07:03, 58.12it/s]
18%|
             | 5421/30000 [01:51<06:56, 58.97it/s]
18%|
18%|
             | 5428/30000 [01:52<08:00, 51.18it/s]
18%|
             | 5434/30000 [01:52<07:56, 51.58it/s]
18%|
             | 5440/30000 [01:52<07:56, 51.50it/s]
18%|
             | 5448/30000 [01:52<07:06, 57.53it/s]
18%|
             | 5455/30000 [01:52<08:40, 47.11it/s]
18%|
             | 5461/30000 [01:52<08:30, 48.03it/s]
18%|
             | 5467/30000 [01:52<08:40, 47.13it/s]
18%|
             | 5472/30000 [01:52<09:20, 43.73it/s]
             | 5482/30000 [01:53<07:53, 51.74it/s]
18%|
             | 5488/30000 [01:53<08:37, 47.38it/s]
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18%|
             | 5494/30000 [01:53<09:54, 41.23it/s]
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             | 5503/30000 [01:53<08:32, 47.78it/s]
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                5509/30000 [01:53<08:01, 50.88it/s]
18%|
             | 5515/30000 [01:53<08:39, 47.13it/s]
18%|
             | 5522/30000 [01:53<08:11, 49.80it/s]
18%|
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18%|
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             | 5542/30000 [01:54<09:52, 41.30it/s]
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             | 5555/30000 [01:54<09:13, 44.19it/s]
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19%|
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19%|
             | 5584/30000 [01:55<06:43, 60.58it/s]
19%1
             | 5592/30000 [01:55<06:30, 62.53it/s]
19%|
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19%|
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             | 5612/30000 [01:55<11:35, 35.08it/s]
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             | 5619/30000 [01:55<09:54, 40.99it/s]
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             | 5626/30000 [01:56<08:57, 45.33it/s]
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19%|
              | 5643/30000 [01:56<07:44, 52.39it/s]
19%|
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19%|
             | 5657/30000 [01:56<09:10, 44.25it/s]
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                5663/30000 [01:56<11:18, 35.88it/s]
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              | 5674/30000 [01:57<09:20, 43.42it/s]
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             | 5680/30000 [01:57<10:06, 40.08it/s]
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             | 5688/30000 [01:57<08:43, 46.41it/s]
19%|
             | 5695/30000 [01:57<07:54, 51.22it/s]
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             | 5703/30000 [01:57<07:49, 51.80it/s]
19%|
              | 5709/30000 [01:57<09:40, 41.82it/s]
19%|
              | 5715/30000 [01:57<08:58, 45.13it/s]
19%|
              | 5721/30000 [01:58<08:47, 46.00it/s]
19%|
              | 5731/30000 [01:58<07:38, 52.93it/s]
19%|
             | 5737/30000 [01:58<07:34, 53.35it/s]
19%|
                5743/30000 [01:58<07:32, 53.55it/s]
19%|
              | 5749/30000 [01:58<07:20, 55.03it/s]
19%|
              | 5756/30000 [01:58<06:57, 58.02it/s]
19%|
              | 5763/30000 [01:58<09:21, 43.15it/s]
19%|
              | 5770/30000 [01:59<08:37, 46.82it/s]
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                5776/30000 [01:59<09:54, 40.74it/s]
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              | 5783/30000 [01:59<08:41, 46.41it/s]
             | 5790/30000 [01:59<08:25, 47.91it/s]
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19%|
             | 5796/30000 [01:59<09:35, 42.08it/s]
19%|
              | 5805/30000 [01:59<08:05, 49.89it/s]
             | 5811/30000 [01:59<08:18, 48.49it/s]
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             | 5817/30000 [01:59<08:08, 49.53it/s]
19%|
             | 5823/30000 [02:00<08:51, 45.51it/s]
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             | 5828/30000 [02:00<11:26, 35.19it/s]
             | 5833/30000 [02:00<11:37, 34.64it/s]
19%|
             | 5839/30000 [02:00<11:59, 33.57it/s]
             | 5848/30000 [02:00<09:49, 40.99it/s]
19%|
             | 5854/30000 [02:00<09:57, 40.40it/s]
20%
             | 5859/30000 [02:01<10:20, 38.92it/s]
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20%|
             | 5867/30000 [02:01<08:59, 44.76it/s]
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              | 5873/30000 [02:01<09:21, 42.98it/s]
20%|
             | 5879/30000 [02:01<08:34, 46.87it/s]
20%|
             | 5885/30000 [02:01<08:07, 49.44it/s]
             | 5891/30000 [02:01<08:09, 49.25it/s]
20%|
             | 5897/30000 [02:01<08:07, 49.45it/s]
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             | 5903/30000 [02:01<09:06, 44.12it/s]
             | 5912/30000 [02:02<07:57, 50.46it/s]
20%|
             | 5919/30000 [02:02<07:39, 52.37it/s]
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             | 5925/30000 [02:02<07:28, 53.71it/s]
             | 5931/30000 [02:02<08:54, 45.07it/s]
20%1
20%|
             | 5937/30000 [02:02<08:17, 48.38it/s]
20%|
             | 5943/30000 [02:02<08:08, 49.22it/s]
20%|
             | 5949/30000 [02:02<10:12, 39.28it/s]
20%|
             | 5957/30000 [02:03<08:51, 45.20it/s]
             | 5967/30000 [02:03<07:27, 53.68it/s]
20%|
20%|
             | 5974/30000 [02:03<07:47, 51.42it/s]
20%|
             | 5980/30000 [02:03<07:29, 53.42it/s]
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             | 5986/30000 [02:03<09:07, 43.89it/s]
20%|
             | 5992/30000 [02:03<09:57, 40.19it/s]
20%|
             | 6000/30000 [02:03<08:37, 46.36it/s]
20%1
             | 6006/30000 [02:04<08:24, 47.55it/s]
20%|
             | 6012/30000 [02:04<09:49, 40.70it/s]
20%1
              | 6020/30000 [02:04<08:32, 46.75it/s]
20%|
             | 6026/30000 [02:04<09:21, 42.67it/s]
20%|
             | 6032/30000 [02:04<08:36, 46.37it/s]
20%1
             | 6038/30000 [02:04<08:43, 45.77it/s]
2.0%1
             | 6044/30000 [02:04<08:18, 48.02it/s]
20%|
             | 6051/30000 [02:04<07:40, 52.05it/s]
20%|
             | 6057/30000 [02:05<08:38, 46.15it/s]
20%|
             | 6062/30000 [02:05<08:47, 45.42it/s]
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                6068/30000 [02:05<08:15, 48.26it/s]
             | 6076/30000 [02:05<07:39, 52.10it/s]
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20%|
             | 6084/30000 [02:05<06:55, 57.55it/s]
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             | 6091/30000 [02:05<07:45, 51.34it/s]
20%|
             | 6100/30000 [02:05<07:08, 55.72it/s]
20%|
             | 6106/30000 [02:06<08:13, 48.43it/s]
             | 6113/30000 [02:06<07:28, 53.24it/s]
20%1
20%|
             | 6119/30000 [02:06<07:25, 53.62it/s]
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             | 6125/30000 [02:06<08:33, 46.46it/s]
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             | 6131/30000 [02:06<08:58, 44.36it/s]
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             | 6136/30000 [02:06<09:00, 44.15it/s]
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             | 6141/30000 [02:06<09:34, 41.50it/s]
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             | 6146/30000 [02:06<10:17, 38.62it/s]
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              | 6162/30000 [02:07<08:58, 44.24it/s]
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             | 6169/30000 [02:07<08:07, 48.87it/s]
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             | 6175/30000 [02:07<08:25, 47.17it/s]
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             | 6180/30000 [02:07<09:07, 43.52it/s]
             | 6185/30000 [02:07<08:57, 44.31it/s]
21%|
21%|
             | 6195/30000 [02:07<07:31, 52.73it/s]
21%|
             | 6202/30000 [02:07<07:16, 54.50it/s]
21%|
             | 6209/30000 [02:08<08:15, 48.04it/s]
               6215/30000 [02:08<08:45, 45.25it/s]
21%|
             | 6222/30000 [02:08<08:12, 48.33it/s]
21%|
21%|
             | 6228/30000 [02:08<07:49, 50.62it/s]
21%|
              | 6236/30000 [02:08<07:11, 55.10it/s]
21%|
             | 6245/30000 [02:08<06:53, 57.47it/s]
21%|
             | 6251/30000 [02:08<07:01, 56.41it/s]
21%|
             | 6257/30000 [02:09<07:39, 51.67it/s]
21%|
             | 6263/30000 [02:09<07:31, 52.63it/s]
21%|
             | 6269/30000 [02:09<07:53, 50.07it/s]
             | 6275/30000 [02:09<09:02, 43.77it/s]
21%|
21%|
             | 6280/30000 [02:09<08:44, 45.25it/s]
                6287/30000 [02:09<08:57, 44.13it/s]
21%
             L 6292/30000 [02:09<09:43, 40.62it/s]
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21%|
                               | 6297/30000 [02:10<09:27, 41.77it/s]
21%|
                               | 6305/30000 [02:10<08:25, 46.85it/s]
21%|
                               | 6313/30000 [02:10<07:23, 53.39it/s]
21%|
                               | 6319/30000 [02:10<09:24, 41.94it/s]
21%|
                               | 6324/30000 [02:10<11:07, 35.47it/s]
21%|
                               | 6330/30000 [02:10<09:48, 40.21it/s]
                               | 6338/30000 [02:10<08:26, 46.68it/s]
21%|
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                               | 6344/30000 [02:11<09:33, 41.22it/s]
21%|
                               | 6350/30000 [02:11<08:41, 45.38it/s]
21%|
                               | 6356/30000 [02:11<09:02, 43.56it/s]
21%|
                               | 6361/30000 [02:11<09:20, 42.19it/s]
                               | 6369/30000 [02:11<08:03, 48.92it/s]
21%|
21%|
                               | 6375/30000 [02:11<09:52, 39.88it/s]
21%|
                               | 6380/30000 [02:11<09:22, 42.00it/s]
21%|
                               | 6385/30000 [02:12<11:04, 35.56it/s]
21%|
                               | 6393/30000 [02:12<09:17, 42.31it/s]
21%|
                               | 6399/30000 [02:12<09:35, 40.99it/s]
                               | 6409/30000 [02:12<08:00, 49.08it/s]
21%|
                               | 6416/30000 [02:12<07:57, 49.35it/s]
21%|
                               | 6425/30000 [02:12<07:00, 56.11it/s]
21%|
                               | 6433/30000 [02:12<06:35, 59.56it/s]
21%|
                               | 6440/30000 [02:12<08:10, 48.01it/s]
21%1
                               | 6447/30000 [02:13<07:44, 50.71it/s]
22%|
                               | 6453/30000 [02:13<11:21, 34.57it/s]
22%|
                               | 6459/30000 [02:13<10:58, 35.74it/s]
22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 22% | 
                               | 6468/30000 [02:13<09:05, 43.14it/s]
                               | 6474/30000 [02:13<09:47, 40.03it/s]
                               | 6480/30000 [02:13<09:03, 43.30it/s]
                               | 6487/30000 [02:14<08:02, 48.78it/s]
22%|
                               | 6493/30000 [02:14<08:09, 48.00it/s]
                               | 6499/30000 [02:14<07:46, 50.33it/s]
22%|
22%1
                               | 6505/30000 [02:14<10:44, 36.46it/s]
22%|
                               | 6510/30000 [02:14<11:28, 34.13it/s]
22% | 22% | 3
                               | 6515/30000 [02:14<11:07, 35.19it/s]
                               | 6523/30000 [02:14<09:22, 41.76it/s]
22%|
                               | 6529/30000 [02:15<08:40, 45.12it/s]
22%1
22%|
                               | 6535/30000 [02:15<08:33, 45.73it/s]
                               | 6541/30000 [02:15<10:47, 36.22it/s]
22%|
22%|
                               | 6550/30000 [02:15<09:02, 43.23it/s]
                               | 6556/30000 [02:15<09:11, 42.54it/s]
22%|
                               | 6564/30000 [02:15<07:57, 49.04it/s]
22%|
                               | 6573/30000 [02:15<06:54, 56.56it/s]
22%|
                               | 6580/30000 [02:16<06:33, 59.58it/s]
22%|
                               | 6587/30000 [02:16<06:46, 57.53it/s]
22%1
                               | 6594/30000 [02:16<07:43, 50.49it/s]
22%|
                               | 6600/30000 [02:16<07:23, 52.71it/s]
22%|
                               | 6608/30000 [02:16<06:42, 58.17it/s]
22%|
                               | 6615/30000 [02:16<06:52, 56.63it/s]
228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 
                               | 6621/30000 [02:16<09:34, 40.66it/s]
                               | 6626/30000 [02:17<09:53, 39.39it/s]
                               | 6634/30000 [02:17<09:09, 42.49it/s]
22%1
                               | 6639/30000 [02:17<08:56, 43.53it/s]
                               | 6646/30000 [02:17<08:12, 47.46it/s]
22%|
22%|
                               | 6652/30000 [02:17<08:17, 46.98it/s]
228|
                               | 6658/30000 [02:17<08:43, 44.63it/s]
                               | 6664/30000 [02:17<08:30, 45.73it/s]
                               | 6669/30000 [02:17<09:41, 40.13it/s]
22%|
22%|
                                | 6675/30000 [02:18<08:56, 43.46it/s]
22%|
                               | 6680/30000 [02:18<08:42, 44.61it/s]
22%|
                                    6685/30000 [02:18<11:18, 34.37it/s]
22%|
                               | 6690/30000 [02:18<10:28, 37.10it/s]
22%|
                               | 6695/30000 [02:18<10:23, 37.40it/s]
22%|
                                | 6701/30000 [02:18<09:16, 41.85it/s]
22%|
                               | 6707/30000 [02:18<09:01, 43.03it/s]
22%1
                               | 6715/30000 [02:19<08:04, 48.05it/s]
                               | 6722/30000 [02:19<07:29, 51.80it/s]
22%|
                               | 6728/30000 [02:19<07:16, 53.35it/s]
2281
22%|
                                | 6738/30000 [02:19<06:30, 59.52it/s]
22%|
                               | 6745/30000 [02:19<06:25, 60.39it/s]
23%|
                               | 6752/30000 [02:19<06:31, 59.46it/s]
23%|
                                    6760/30000 [02:19<06:10, 62.68it/s]
23%1
                               | 6768/30000 [02:19<05:47, 66.83it/s]
23%|
                               | 6776/30000 [02:19<05:45, 67.23it/s]
23%|
                                | 6783/30000 [02:20<06:44, 57.35it/s]
23%|
                               | 6790/30000 [02:20<08:55, 43.36it/s]
23%
                                | 6797/30000 [02:20<08:10, 47.33it/s]
                               | 6803/30000 | 102.20<08.06 | 47 64i+/el
```

```
0000/0000 [02.20\00.00, 7/.07±6/8]
23%1
                6811/30000 [02:20<07:26, 51.90it/s]
23%|
              | 6817/30000 [02:20<07:09, 54.01it/s]
23%|
              | 6825/30000 [02:20<06:37, 58.27it/s]
23%|
              | 6832/30000 [02:21<06:55, 55.74it/s]
23%|
              | 6838/30000 [02:21<07:50, 49.27it/s]
23%|
                6844/30000 [02:21<07:40, 50.26it/s]
              | 6850/30000 [02:21<09:28, 40.73it/s]
2.3%1
23%|
              | 6855/30000 [02:21<09:43, 39.68it/s]
23%|
              | 6860/30000 [02:21<12:03, 31.98it/s]
2.3%1
              | 6864/30000 [02:22<12:06, 31.83it/s]
23%
              | 6870/30000 [02:22<10:26, 36.92it/s]
23%1
              | 6876/30000 [02:22<09:28, 40.67it/s]
23%|
              | 6881/30000 [02:22<10:32, 36.57it/s]
23%|
              | 6886/30000 [02:22<09:52, 38.99it/s]
23%|
              | 6891/30000 [02:22<09:49, 39.17it/s]
23%|
              | 6898/30000 [02:22<08:41, 44.34it/s]
23%|
              | 6903/30000 [02:22<09:10, 41.98it/s]
2.3%1
              | 6908/30000 [02:23<11:15, 34.17it/s]
23%|
              | 6915/30000 [02:23<09:47, 39.29it/s]
23%|
              | 6922/30000 [02:23<08:30, 45.17it/s]
23%1
              | 6928/30000 [02:23<08:17, 46.40it/s]
23%1
              | 6934/30000 [02:23<10:39, 36.08it/s]
              | 6939/30000 [02:23<10:07, 37.93it/s]
23%1
23%1
              | 6946/30000 [02:23<09:14, 41.58it/s]
23%|
              | 6951/30000 [02:24<09:16, 41.45it/s]
23%|
              | 6960/30000 [02:24<07:54, 48.58it/s]
23%|
              | 6966/30000 [02:24<07:57, 48.19it/s]
23%|
              1
                6972/30000 [02:24<08:10, 46.94it/s]
23%1
              | 6979/30000 [02:24<07:30, 51.12it/s]
23%|
              | 6985/30000 [02:24<08:00, 47.94it/s]
23%|
              | 6994/30000 [02:24<07:09, 53.51it/s]
23%|
              | 7001/30000 [02:24<07:02, 54.48it/s]
23%1
                7007/30000 [02:25<06:53, 55.66it/s]
23%1
              | 7015/30000 [02:25<06:34, 58.19it/s]
23%|
             | 7021/30000 [02:25<08:11, 46.74it/s]
23%|
              | 7028/30000 [02:25<07:28, 51.18it/s]
              | 7034/30000 [02:25<07:12, 53.09it/s]
23%|
2.3%1
               7041/30000 [02:25<06:54, 55.40it/s]
23%1
                7048/30000 [02:25<06:59, 54.77it/s]
24%|
              | 7055/30000 [02:25<06:46, 56.42it/s]
24%|
              | 7061/30000 [02:26<07:01, 54.37it/s]
24%|
              | 7067/30000 [02:26<07:02, 54.31it/s]
24%|
              | 7075/30000 [02:26<06:31, 58.56it/s]
24%
              | 7082/30000 [02:26<06:54, 55.25it/s]
              | 7089/30000 [02:26<06:50, 55.77it/s]
24%1
              | 7096/30000 [02:26<06:36, 57.72it/s]
24%|
24%|
              | 7102/30000 [02:26<06:33, 58.25it/s]
24%|
              | 7108/30000 [02:26<07:43, 49.36it/s]
24%|
              | 7116/30000 [02:26<07:02, 54.22it/s]
24%|
                7122/30000 [02:27<06:59, 54.60it/s]
              | 7129/30000 [02:27<07:06, 53.57it/s]
2.4%1
24%|
              | 7135/30000 [02:27<07:17, 52.25it/s]
24%|
              | 7141/30000 [02:27<07:41, 49.49it/s]
              | 7147/30000 [02:27<07:22, 51.59it/s]
24%|
24%1
                7153/30000 [02:27<08:24, 45.26it/s]
              | 7160/30000 [02:27<07:40, 49.55it/s]
2.4%1
24%1
              | 7169/30000 [02:28<06:55, 54.89it/s]
24%|
              | 7175/30000 [02:28<07:19, 51.93it/s]
24%|
              | 7181/30000 [02:28<08:01, 47.38it/s]
24%|
               7188/30000 [02:28<07:15, 52.41it/s]
24%|
               7198/30000 [02:28<06:29, 58.51it/s]
24%1
              | 7205/30000 [02:28<06:13, 60.95it/s]
24%|
              | 7212/30000 [02:28<06:15, 60.75it/s]
24%|
              | 7219/30000 [02:28<08:27, 44.88it/s]
              | 7225/30000 [02:29<08:47, 43.17it/s]
24%|
24%
               7234/30000 [02:29<08:00, 47.38it/s]
              | 7240/30000 [02:29<07:50, 48.42it/s]
24%1
2.4%1
              | 7247/30000 [02:29<07:31, 50.38it/s]
24%|
              | 7253/30000 [02:29<08:31, 44.47it/s]
24%|
              | 7259/30000 [02:29<08:14, 46.03it/s]
2.4%1
                7264/30000 [02:29<08:43, 43.46it/s]
24%1
              | 7271/30000 [02:30<08:02, 47.10it/s]
24%|
              | 7276/30000 [02:30<07:59, 47.42it/s]
24%|
              | 7281/30000 [02:30<08:26, 44.86it/s]
24%|
              | 7286/30000 [02:30<09:59, 37.89it/s]
              | 7292/30000 [02:30<08:59, 42.07it/s]
24%|
              1 7208/30000 [02.30<00.10 /1 21i+/el
```

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1230/30000 [02.30\03.10, 41.2116/8]
24%
                7306/30000 [02:30<07:55, 47.72it/s]
2.4%1
              | 7312/30000 [02:30<08:00, 47.18it/s]
24%1
              | 7318/30000 [02:31<08:02, 47.03it/s]
24%|
              | 7325/30000 [02:31<07:16, 51.96it/s]
24%|
              | 7331/30000 [02:31<07:29, 50.39it/s]
24%1
                7337/30000 [02:31<08:04, 46.81it/s]
24%|
              | 7343/30000 [02:31<08:09, 46.26it/s]
25%|
              | 7351/30000 [02:31<07:07, 52.94it/s]
25%|
              | 7357/30000 [02:31<07:47, 48.47it/s]
25%|
              | 7363/30000 [02:31<07:59, 47.22it/s]
25%|
              | 7369/30000 [02:32<07:54, 47.74it/s]
25%|
              | 7375/30000 [02:32<07:52, 47.87it/s]
              | 7381/30000 [02:32<08:27, 44.58it/s]
25%1
25%|
              | 7387/30000 [02:32<07:53, 47.79it/s]
25%|
              | 7393/30000 [02:32<07:24, 50.86it/s]
25%|
              | 7399/30000 [02:32<07:39, 49.15it/s]
25%1
                7405/30000 [02:32<08:12, 45.92it/s]
              | 7411/30000 [02:32<07:42, 48.85it/s]
25%|
25%|
              | 7417/30000 [02:33<07:18, 51.48it/s]
25%|
              | 7423/30000 [02:33<07:25, 50.66it/s]
25%|
              | 7429/30000 [02:33<08:07, 46.33it/s]
25%|
                7434/30000 [02:33<08:11, 45.96it/s]
25%|
              | 7440/30000 [02:33<08:15, 45.50it/s]
              | 7446/30000 [02:33<07:41, 48.87it/s]
25%1
2.5%1
              | 7454/30000 [02:33<07:06, 52.90it/s]
25%|
              | 7464/30000 [02:33<06:09, 61.03it/s]
25%|
              | 7471/30000 [02:34<06:43, 55.78it/s]
25%1
                7478/30000 [02:34<06:49, 54.95it/s]
25%|
              | 7484/30000 [02:34<07:16, 51.56it/s]
25%|
              | 7490/30000 [02:34<08:47, 42.71it/s]
25%|
              | 7495/30000 [02:34<09:02, 41.49it/s]
25%|
              | 7501/30000 [02:34<08:26, 44.38it/s]
25%|
              | 7507/30000 [02:34<07:58, 46.99it/s]
25%|
              | 7512/30000 [02:35<08:19, 45.05it/s]
              | 7520/30000 [02:35<07:21, 50.93it/s]
2.5%1
25%1
              | 7528/30000 [02:35<06:41, 55.97it/s]
25%1
              | 7535/30000 [02:35<07:16, 51.41it/s]
25%|
              | 7542/30000 [02:35<06:48, 54.98it/s]
25%1
                7548/30000 [02:35<10:35, 35.31it/s]
              | 7554/30000 [02:35<09:52, 37.89it/s]
2.5%1
25%|
              | 7559/30000 [02:36<09:43, 38.47it/s]
25%|
              | 7564/30000 [02:36<10:13, 36.56it/s]
25%|
              | 7569/30000 [02:36<09:50, 37.96it/s]
25%1
                7574/30000 [02:36<09:58, 37.50it/s]
25%|
              | 7579/30000 [02:36<09:34, 39.01it/s]
25%1
              | 7586/30000 [02:36<08:32, 43.77it/s]
25%1
              | 7593/30000 [02:36<07:47, 47.93it/s]
25%1
              | 7600/30000 [02:36<07:39, 48.70it/s]
25%|
              | 7606/30000 [02:37<07:24, 50.36it/s]
25%|
                7614/30000 [02:37<06:56, 53.69it/s]
              | 7620/30000 [02:37<06:59, 53.34it/s]
25%1
25%|
              | 7626/30000 [02:37<07:17, 51.17it/s]
25%|
              | 7633/30000 [02:37<06:44, 55.27it/s]
2.5%1
              | 7639/30000 [02:37<07:11, 51.82it/s]
25%|
                7645/30000 [02:37<06:57, 53.56it/s]
              | 7651/30000 [02:37<07:11, 51.81it/s]
26%|
26%1
              | 7657/30000 [02:38<07:10, 51.96it/s]
26%1
              | 7663/30000 [02:38<06:57, 53.56it/s]
26%|
                7669/30000 [02:38<07:45, 47.94it/s]
26%|
              | 7674/30000 [02:38<08:41, 42.80it/s]
26%|
                7679/30000 [02:38<10:33, 35.23it/s]
26%1
                7685/30000 [02:38<09:17, 40.02it/s]
26%|
              | 7690/30000 [02:38<09:11, 40.45it/s]
26%|
               7695/30000 [02:38<08:48, 42.19it/s]
              | 7700/30000 [02:39<08:31, 43.61it/s]
2.6%1
26%|
                7705/30000 [02:39<08:32, 43.48it/s]
26%
                7711/30000 [02:39<07:52, 47.22it/s]
              | 7716/30000 [02:39<08:19, 44.61it/s]
2.6%1
26%1
               7721/30000 [02:39<08:11, 45.35it/s]
26%1
                7727/30000 [02:39<07:52, 47.15it/s]
2.6%1
                7732/30000 [02:39<08:00, 46.39it/s]
26%
                7738/30000 [02:39<08:03, 46.08it/s]
                7745/30000 [02:40<07:27, 49.77it/s]
26%1
26%|
              | 7752/30000 [02:40<07:04, 52.43it/s]
26%|
              | 7758/30000 [02:40<07:29, 49.50it/s]
                7764/30000 [02:40<07:48, 47.44it/s]
2.6%1
                7760/20000 [02.40/00.02 45 05;+/01
```

```
//03/30000 [UZ:40<00:U3, 43.331L/S]
200
26%
                7776/30000 [02:40<07:21, 50.29it/s]
              | 7782/30000 [02:40<07:02, 52.60it/s]
26%
26%1
              | 7788/30000 [02:40<09:50, 37.62it/s]
26%1
              | 7795/30000 [02:41<08:40, 42.66it/s]
26%1
              | 7802/30000 [02:41<07:43, 47.91it/s]
26%|
              | 7808/30000 [02:41<07:43, 47.85it/s]
26%1
                7814/30000 [02:41<08:14, 44.91it/s]
2681
              | 7823/30000 [02:41<07:06, 51.97it/s]
2.6%1
              | 7829/30000 [02:41<07:38, 48.38it/s]
26%1
               7835/30000 [02:41<07:22, 50.04it/s]
2.6%1
              | 7841/30000 [02:42<08:15, 44.68it/s]
26%|
                7846/30000 [02:42<09:12, 40.13it/s]
              | 7851/30000 [02:42<09:12, 40.06it/s]
26%
26%1
              | 7857/30000 [02:42<08:24, 43.90it/s]
              | 7862/30000 [02:42<08:14, 44.79it/s]
26%|
              | 7870/30000 [02:42<07:22, 50.04it/s]
26%1
              | 7877/30000 [02:42<06:47, 54.31it/s]
26%|
26%
                7887/30000 [02:42<05:51, 62.84it/s]
              | 7895/30000 [02:42<06:01, 61.13it/s]
2.6%1
26%1
              | 7902/30000 [02:43<06:08, 59.95it/s]
26%|
              | 7909/30000 [02:43<08:47, 41.88it/s]
              7918/30000 [02:43<07:29, 49.08it/s]
26%1
26%
                7925/30000 [02:43<08:24, 43.80it/s]
              | 7932/30000 [02:43<07:42, 47.67it/s]
26%1
26%1
              | 7940/30000 [02:43<07:39, 48.03it/s]
26%1
              | 7946/30000 [02:44<08:02, 45.70it/s]
27%|
              | 7952/30000 [02:44<07:27, 49.22it/s]
27%|
              | 7959/30000 [02:44<07:35, 48.38it/s]
27%|
                7965/30000 [02:44<08:41, 42.27it/s]
27%1
              | 7970/30000 [02:44<08:38, 42.53it/s]
27%|
              | 7975/30000 [02:44<08:23, 43.72it/s]
27%|
              | 7980/30000 [02:44<08:11, 44.77it/s]
27%1
              | 7985/30000 [02:45<08:46, 41.80it/s]
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                7990/30000 [02:45<08:31, 43.01it/s]
27%|
              | 7996/30000 [02:45<07:49, 46.86it/s]
              | 8001/30000 [02:45<07:48, 46.92it/s]
27%|
27%|
              | 8007/30000 [02:45<08:56, 40.99it/s]
27%1
              | 8012/30000 [02:45<09:01, 40.63it/s]
27%|
              | 8018/30000 [02:45<08:25, 43.48it/s]
27%|
              | 8025/30000 [02:45<07:36, 48.15it/s]
27%1
              | 8033/30000 [02:45<06:45, 54.16it/s]
2.7%1
              | 8039/30000 [02:46<07:33, 48.41it/s]
27%1
              | 8046/30000 [02:46<06:57, 52.55it/s]
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              | 8052/30000 [02:46<08:10, 44.73it/s]
27%|
              | 8058/30000 [02:46<07:38, 47.88it/s]
              | 8064/30000 [02:46<08:37, 42.40it/s]
27%
27%|
              | 8072/30000 [02:46<07:30, 48.69it/s]
27%|
              | 8078/30000 [02:46<07:25, 49.23it/s]
              | 8084/30000 [02:47<07:14, 50.41it/s]
27%1
27%|
              | 8090/30000 [02:47<09:56, 36.75it/s]
27%|
              | 8095/30000 [02:47<09:57, 36.64it/s]
2.7%1
              | 8100/30000 [02:47<10:05, 36.18it/s]
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27%|
              | 8115/30000 [02:47<07:44, 47.08it/s]
2.7%1
              | 8123/30000 [02:47<06:58, 52.29it/s]
27%
              | 8130/30000 [02:48<07:07, 51.19it/s]
              | 8136/30000 [02:48<06:56, 52.54it/s]
2.7%1
              | 8142/30000 [02:48<07:51, 46.38it/s]
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27%|
              | 8148/30000 [02:48<07:50, 46.41it/s]
27%|
              | 8156/30000 [02:48<07:27, 48.87it/s]
27%1
              | 8162/30000 [02:48<08:02, 45.21it/s]
27%|
              | 8170/30000 [02:48<07:10, 50.75it/s]
27%|
              | 8176/30000 [02:49<10:00, 36.37it/s]
27%1
              | 8183/30000 [02:49<08:42, 41.74it/s]
27%|
              | 8189/30000 [02:49<08:05, 44.91it/s]
              | 8196/30000 [02:49<07:27, 48.75it/s]
27%1
27%|
              | 8202/30000 [02:49<07:20, 49.43it/s]
              | 8209/30000 [02:49<06:44, 53.89it/s]
27%|
27%|
              | 8215/30000 [02:49<07:14, 50.11it/s]
27%|
              | 8223/30000 [02:49<06:27, 56.27it/s]
27%1
              | 8230/30000 [02:50<07:20, 49.38it/s]
27%|
              | 8237/30000 [02:50<07:18, 49.63it/s]
27%|
              | 8244/30000 [02:50<06:56, 52.23it/s]
              | 8250/30000 [02:50<07:20, 49.33it/s]
28%1
              | 8256/30000 [02:50<07:26, 48.67it/s]
28%|
28%
              | 8263/30000 [02:50<06:54, 52.48it/s]
                00.00/20000 [00.50.00.00
```

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| 8269/30000 [UZ:5U<U8:U8, 44.461T/S]
200
              | 8274/30000 [02:51<08:24, 43.03it/s]
28%1
28%
              | 8279/30000 [02:51<09:37, 37.60it/s]
2.8%
              | 8285/30000 [02:51<08:52, 40.77it/s]
28%1
              | 8290/30000 [02:51<08:27, 42.78it/s]
28%|
              | 8299/30000 [02:51<07:15, 49.79it/s]
28%1
              | 8305/30000 [02:51<09:06, 39.71it/s]
28%1
              | 8310/30000 [02:51<08:53, 40.62it/s]
28%1
              | 8317/30000 [02:52<07:51, 46.01it/s]
2.8%1
              | 8324/30000 [02:52<07:20, 49.21it/s]
28%1
              | 8331/30000 [02:52<06:48, 53.03it/s]
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              | 8338/30000 [02:52<06:40, 54.15it/s]
28%|
              | 8347/30000 [02:52<06:12, 58.11it/s]
28%|
              | 8354/30000 [02:52<06:35, 54.75it/s]
              | 8360/30000 [02:52<06:40, 53.98it/s]
2.8%1
28%1
              | 8367/30000 [02:52<06:31, 55.21it/s]
28%|
              | 8376/30000 [02:52<05:59, 60.22it/s]
28%|
              | 8383/30000 [02:53<05:55, 60.87it/s]
28%1
              | 8390/30000 [02:53<07:15, 49.64it/s]
28%1
              | 8397/30000 [02:53<06:45, 53.23it/s]
28%1
              | 8403/30000 [02:53<06:43, 53.59it/s]
28%1
              | 8410/30000 [02:53<06:50, 52.63it/s]
28%1
              | 8416/30000 [02:53<08:42, 41.29it/s]
              8421/30000 [02:54<10:21, 34.74it/s]
28%1
              | 8426/30000 [02:54<10:14, 35.10it/s]
28%
              | 8430/30000 [02:54<10:04, 35.71it/s]
28%1
2.8%1
              | 8435/30000 [02:54<09:50, 36.50it/s]
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28%|
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2.8%1
              | 8455/30000 [02:54<07:41, 46.70it/s]
              | 8463/30000 [02:54<06:44, 53.20it/s]
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              | 8469/30000 [02:55<07:38, 46.95it/s]
28%1
              | 8477/30000 [02:55<06:48, 52.66it/s]
28%1
28%|
              | 8483/30000 [02:55<07:50, 45.70it/s]
28%|
              | 8491/30000 [02:55<07:09, 50.09it/s]
28%|
              | 8498/30000 [02:55<07:14, 49.50it/s]
28%1
              | 8504/30000 [02:55<08:24, 42.60it/s]
28%|
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28%1
              | 8519/30000 [02:56<09:45, 36.67it/s]
              | 8525/30000 [02:56<08:39, 41.37it/s]
28%1
28%1
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              | 8538/30000 [02:56<07:46, 46.02it/s]
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2.8%1
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2.9%1
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              | 8622/30000 [02:58<07:00, 50.79it/s]
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29%|
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              | 8634/30000 [02:58<07:34, 47.03it/s]
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              | 8646/30000 [02:58<07:42, 46.19it/s]
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              | 8654/30000 [02:58<06:48, 52.20it/s]
2.9%1
              | 8660/30000 [02:59<07:00, 50.77it/s]
29%|
              | 8666/30000 [02:59<07:00, 50.79it/s]
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              | 8672/30000 [02:59<07:06, 49.96it/s]
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              | 8678/30000 [02:59<07:22, 48.18it/s]
              | 8686/30000 [02:59<06:41, 53.12it/s]
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29%|
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29%|
              | 8699/30000 [02:59<06:44, 52.70it/s]
29%1
              | 8705/30000 [02:59<07:14, 49.00it/s]
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              | 8712/30000 [03:00<06:40, 53.11it/s]
29%|
              | 8719/30000 [03:00<06:31, 54.35it/s]
2.9%1
              | 8726/30000 [03:00<06:50, 51.86it/s]
2.9%1
              | 8732/30000 [03:00<08:23, 42.22it/s]
29%1
              | 8737/30000 [03:00<13:17, 26.67it/s]
2.9%1
              | 8744/30000 [03:00<10:50, 32.65it/s]
29%1
              | 8749/30000 [03:01<10:25, 33.98it/s]
29%1
              | 8754/30000 [03:01<09:27, 37.47it/s]
29%|
              | 8761/30000 [03:01<08:09, 43.41it/s]
                8767/30000 [03:01<08:05, 43.77it/s]
29%|
```

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| 8//3/30000 [03:01<0/:4/, 45.421t/s]
29%1
              | 8779/30000 [03:01<07:16, 48.65it/s]
29%1
              | 8785/30000 [03:01<07:04, 49.95it/s]
29%
              | 8791/30000 [03:01<06:48, 51.96it/s]
29%
              | 8797/30000 [03:01<06:38, 53.25it/s]
29%1
              | 8804/30000 [03:02<06:17, 56.18it/s]
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              | 8810/30000 [03:02<07:08, 49.48it/s]
29%1
              | 8817/30000 [03:02<07:16, 48.55it/s]
29%
              | 8823/30000 [03:02<07:10, 49.16it/s]
29%1
              | 8831/30000 [03:02<06:32, 53.87it/s]
29%|
              | 8837/30000 [03:02<06:26, 54.70it/s]
29%|
              | 8843/30000 [03:02<06:33, 53.70it/s]
2981
              | 8849/30000 [03:02<06:34, 53.60it/s]
30%|
              | 8855/30000 [03:03<06:33, 53.78it/s]
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              | 8861/30000 [03:03<06:30, 54.09it/s]
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              | 8867/30000 [03:03<06:37, 53.10it/s]
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              | 8873/30000 [03:03<07:12, 48.83it/s]
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              | 8890/30000 [03:03<06:04, 57.96it/s]
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30%|
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              | 8938/30000 [03:04<09:17, 37.76it/s]
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30%1
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              | 8959/30000 [03:05<09:52, 35.49it/s]
              | 8964/30000 [03:05<09:22, 37.41it/s]
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30%|
              | 8974/30000 [03:05<07:50, 44.71it/s]
30%|
              | 8982/30000 [03:06<07:07, 49.11it/s]
30%|
              | 8988/30000 [03:06<08:22, 41.80it/s]
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              | 8993/30000 [03:06<10:56, 32.01it/s]
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              | 9000/30000 [03:06<09:11, 38.10it/s]
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              | 9014/30000 [03:06<07:21, 47.55it/s]
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              | 9022/30000 [03:06<06:30, 53.74it/s]
30%1
              | 9029/30000 [03:07<06:47, 51.43it/s]
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                9035/30000
                            [03:07<06:36, 52.86it/s]
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                9056/30000 [03:07<06:38, 52.60it/s]
                9063/30000 [03:07<06:11, 56.33it/s]
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30%1
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              | 9075/30000 [03:07<06:49, 51.12it/s]
30%
30%1
              | 9081/30000 [03:08<07:20, 47.53it/s]
              | 9086/30000 [03:08<07:36, 45.82it/s]
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30%1
                9091/30000 [03:08<07:56, 43.86it/s]
30%|
                9099/30000 [03:08<07:02, 49.45it/s]
30%|
                9105/30000 [03:08<09:53, 35.19it/s]
              | 9110/30000 [03:08<10:50, 32.10it/s]
30%1
30%|
              | 9116/30000 [03:08<10:01, 34.74it/s]
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                9122/30000 [03:09<08:45, 39.72it/s]
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                9132/30000 [03:09<07:29, 46.39it/s]
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30%
              | 9144/30000 [03:09<07:44, 44.90it/s]
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              | 9157/30000 [03:09<06:54, 50.24it/s]
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              | 9165/30000 [03:09<06:13, 55.72it/s]
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31%|
              | 9171/30000 [03:09<06:31, 53.26it/s]
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                            [03:10<07:16, 47.70it/s]
                9177/30000
31%|
              | 9184/30000 [03:10<07:02, 49.22it/s]
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                9191/30000 [03:10<06:27, 53.71it/s]
31%|
                9198/30000 [03:10<06:34, 52.71it/s]
31%|
                9204/30000 [03:10<07:43, 44.87it/s]
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                9210/30000 [03:10<07:18, 47.39it/s]
31%
              | 9216/30000 [03:10<07:25, 46.62it/s]
              | 9223/30000 [03:11<06:46, 51.11it/s]
31%|
31%|
              | 9230/30000 [03:11<06:38, 52.13it/s]
31%|
              | 9239/30000 [03:11<06:02, 57.25it/s]
31%|
                9246/30000 [03:11<06:01, 57.44it/s]
31%|
                            [03:11<08:35, 40.26it/s]
                9252/30000
31%|
              | 9259/30000 [03:11<08:08, 42.47it/s]
                9264/30000 [03:11<07:47, 44.37it/s]
31%
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9270/30000 [03:11<07:14, 47.68it/s]
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31%|
                9276/30000 [03:12<08:37, 40.01it/s]
31%|
                9282/30000 [03:12<08:04, 42.79it/s]
31%
                9287/30000 [03:12<07:55, 43.58it/s]
31%
              | 9292/30000 [03:12<07:50, 43.98it/s]
              | 9297/30000 [03:12<08:05, 42.67it/s]
31%
31%|
              | 9302/30000 [03:12<07:47, 44.31it/s]
31%|
              | 9308/30000 [03:12<07:12, 47.89it/s]
31%|
              | 9313/30000 [03:12<07:34, 45.54it/s]
31%|
                9318/30000
                            [03:13<07:28, 46.14it/s]
              | 9323/30000 [03:13<07:27, 46.20it/s]
31%1
31%|
              | 9330/30000 [03:13<06:45, 50.96it/s]
31%|
               9336/30000 [03:13<09:14, 37.26it/s]
31%1
                9344/30000 [03:13<07:49, 43.97it/s]
31%
                9351/30000 [03:13<06:58, 49.37it/s]
              | 9357/30000 [03:13<07:02, 48.89it/s]
31%
31%
              9363/30000 [03:13<06:49, 50.37it/s]
31%|
              | 9369/30000 [03:14<07:16, 47.26it/s]
31%|
              | 9375/30000 [03:14<07:02, 48.83it/s]
31%|
                9381/30000 [03:14<07:01, 48.90it/s]
31%|
                9389/30000 [03:14<06:14, 55.10it/s]
31%∣
              | 9398/30000 [03:14<05:31, 62.06it/s]
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              | 9405/30000 [03:14<05:47, 59.33it/s]
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                9412/30000 [03:14<06:05, 56.27it/s]
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31%|
                9424/30000 [03:15<06:27, 53.16it/s]
              | 9430/30000 [03:15<07:23, 46.41it/s]
31%|
31%|
              | 9436/30000 [03:15<07:27, 45.91it/s]
31%|
                9442/30000 [03:15<07:05, 48.35it/s]
31%1
              | 9448/30000 [03:15<06:43, 50.97it/s]
32%1
                9454/30000 [03:15<07:47, 43.99it/s]
32%|
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              | 9470/30000 [03:16<06:07, 55.79it/s]
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32%|
              | 9477/30000 [03:16<06:04, 56.33it/s]
32%1
                9484/30000 [03:16<06:53, 49.58it/s]
                9491/30000 [03:16<06:29, 52.63it/s]
32%|
32%|
                9497/30000 [03:16<06:55, 49.38it/s]
              | 9503/30000 [03:16<07:29, 45.59it/s]
32%
32%|
              | 9510/30000 [03:16<06:51, 49.81it/s]
32%|
                9516/30000 [03:16<07:30, 45.42it/s]
32%1
              | 9522/30000 [03:17<07:13, 47.26it/s]
32%|
                9528/30000 [03:17<07:04, 48.20it/s]
32%
                9534/30000 [03:17<06:47, 50.21it/s]
              | 9540/30000 [03:17<06:32, 52.13it/s]
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              | 9546/30000 [03:17<06:22, 53.52it/s]
32%1
32%1
               9552/30000 [03:17<06:27, 52.74it/s]
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32%
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              | 9574/30000 [03:17<05:47, 58.73it/s]
32%
32%1
              | 9581/30000 [03:18<06:11, 54.95it/s]
32%|
              | 9589/30000 [03:18<06:07, 55.53it/s]
32% |
              | 9595/30000 [03:18<06:14, 54.54it/s]
32%1
                9601/30000 [03:18<06:20, 53.68it/s]
32%
                9608/30000 [03:18<06:10, 55.03it/s]
32%1
              | 9614/30000 [03:18<06:53, 49.31it/s]
32%1
                9620/30000 [03:18<07:15, 46.81it/s]
32%|
                9627/30000 [03:19<06:34, 51.64it/s]
32%|
                9633/30000 [03:19<06:33, 51.72it/s]
32%|
                9639/30000 [03:19<07:46, 43.67it/s]
              | 9644/30000 [03:19<07:50, 43.27it/s]
32%
32%|
              | 9650/30000 [03:19<07:25, 45.72it/s]
32%|
                9655/30000 [03:19<07:29, 45.31it/s]
32%1
                9662/30000 [03:19<06:42, 50.56it/s]
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                9668/30000 [03:19<06:54, 49.01it/s]
32%|
                9674/30000 [03:20<06:41, 50.60it/s]
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                9713/30000 [03:20<07:39, 44.16it/s]
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32%|
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32%1
                9729/30000 [03:21<08:03, 41.91it/s]
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32%
                9745/30000 [03:21<06:22, 52.89it/s]
                9751/30000 [03:21<07:06, 47.48it/s]
33%
```

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33%|
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                9780/30000 [03:22<05:30, 61.18it/s]
33%|
33%|
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              | 9794/30000 [03:22<06:35, 51.15it/s]
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33%1
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33%1
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33%|
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                9843/30000 [03:23<10:29, 32.04it/s]
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              9871/30000 [03:24<07:15, 46.24it/s]
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                9891/30000 [03:24<06:41, 50.12it/s]
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33%|
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              | 9912/30000 [03:24<06:35, 50.77it/s]
33%|
              | 9922/30000 [03:25<05:51, 57.06it/s]
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33%|
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              | 9945/30000 [03:25<06:10, 54.11it/s]
33%
33%1
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              | 9957/30000 [03:25<07:18, 45.72it/s]
33%1
              | 9966/30000 [03:25<06:53, 48.46it/s]
33%
                9972/30000 [03:26<06:52, 48.53it/s]
33%|
              | 9978/30000 [03:26<07:11, 46.37it/s]
33%|
              | 9986/30000 [03:26<06:18, 52.83it/s]
33%|
              | 9993/30000 [03:26<05:52, 56.75it/s]
33%|
              | 10000/30000 [03:26<05:38, 59.06it/s]
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              | 10007/30000 [03:26<05:36, 59.34it/s]
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              | 10014/30000 [03:26<07:08, 46.65it/s]
33%
              | 10020/30000 [03:26<06:53, 48.35it/s]
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              | 10251/30000 [03:31<06:32, 50.33it/s]
34%
              | 10257/30000 [03:32<07:04, 46.48it/s]
              | 10264/30000 [03:32<06:32, 50.27it/s]
34%
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34%1
              | 10276/30000 [03:32<07:23, 44.51it/s]
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                10281/30000 [03:32<09:25, 34.90it/s]
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              | 10297/30000 [03:33<08:40, 37.86it/s]
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              | 10311/30000 [03:33<07:47, 42.14it/s]
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              | 10318/30000 [03:33<06:54, 47.50it/s]
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              | 10326/30000 [03:33<06:30, 50.40it/s]
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                10332/30000 [03:33<06:57, 47.15it/s]
              | 10338/30000 [03:33<06:41, 48.92it/s]
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34%|
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                10351/30000 [03:34<06:36, 49.61it/s]
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35%
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35%1
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              | 10505/30000 [03:36<05:25, 59.90it/s]
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              | 10512/30000 [03:36<06:24, 50.69it/s]
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              | 10518/30000 [03:37<06:24, 50.65it/s]
35%|
                10525/30000 [03:37<05:56, 54.57it/s]
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              | 10531/30000 [03:37<06:32, 49.62it/s]
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              | 10537/30000 [03:37<06:56, 46.69it/s]
              | 10542/30000 [03:37<07:00, 46.22it/s]
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35%1
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              | 10565/30000 [03:37<05:20, 60.62it/s]
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              | 10664/30000 [03:39<06:42, 48.01it/s]
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              | 10689/30000 [03:40<06:35, 48.84it/s]
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              | 10695/30000 [03:40<06:54, 46.59it/s]
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                10711/30000 [03:40<07:21, 43.65it/s]
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36%1
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                10734/30000 [03:41<07:59, 40.19it/s]
36%
                10740/30000 [03:41<07:25, 43.24it/s]
36%
              | 10747/30000 [03:41<07:12, 44.48it/s]
              | 10753/30000 [03:41<06:58, 45.96it/s]
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              | 10758/30000 [03:41<07:11, 44.61it/s]
36%|
36%1
              | 10764/30000 [03:41<07:09, 44.80it/s]
36%
              | 10770/30000 [03:42<06:52, 46.59it/s]
36%
              | 10775/30000 [03:42<06:51, 46.75it/s]
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36%1
              | 10795/30000 [03:42<06:08, 52.08it/s]
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              | 10826/30000 [03:43<07:45, 41.23it/s]
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              | 10831/30000 [03:43<08:05, 39.50it/s]
              | 10837/30000 [03:43<07:15, 43.99it/s]
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36%
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                10852/30000 [03:43<06:24, 49.85it/s]
              | 10858/30000 [03:44<07:14, 44.02it/s]
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              | 10874/30000 [03:44<07:32, 42.27it/s]
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              | 10900/30000 [03:44<06:44, 47.20it/s]
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              | 10906/30000 [03:45<06:48, 46.80it/s]
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                11022/30000 [03:47<07:44, 40.82it/s]
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              | 11248/30000 [03:51<06:04, 51.42it/s]
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              | 11254/30000 [03:52<06:20, 49.21it/s]
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              | 11260/30000 [03:52<06:19, 49.43it/s]
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              | 11266/30000 [03:52<06:00, 51.94it/s]
              | 11272/30000 [03:52<06:27, 48.30it/s]
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              | 11311/30000 [03:53<05:47, 53.83it/s]
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38%|
              | 11386/30000 [03:54<06:37, 46.86it/s]
38%|
              | 11393/30000 [03:54<06:06, 50.71it/s]
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              | 11399/30000 [03:54<06:05, 50.90it/s]
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              | 11429/30000 [03:55<06:31, 47.48it/s]
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              | 11435/30000 [03:55<06:12, 49.86it/s]
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              | 11441/30000 [03:55<06:12, 49.86it/s]
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              | 11447/30000 [03:56<07:22, 41.96it/s]
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              | 11480/30000 [03:56<07:03, 43.74it/s]
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                11486/30000 [03:56<06:59, 44.12it/s]
38%1
              | 11493/30000 [03:57<06:27, 47.72it/s]
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              | 11501/30000 [03:57<05:50, 52.84it/s]
38%|
              | 11507/30000 [03:57<06:44, 45.73it/s]
              | 11514/30000 [03:57<06:05, 50.51it/s]
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38%1
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              | 11527/30000 [03:57<07:23, 41.69it/s]
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              | 11532/30000 [03:57<07:04, 43.49it/s]
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              | 11547/30000 [03:58<06:30, 47.22it/s]
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              | 11553/30000 [03:58<07:29, 41.00it/s]
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                11560/30000 [03:58<06:34, 46.69it/s]
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39%1
              | 11579/30000 [03:58<06:08, 49.93it/s]
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              | 11585/30000 [03:59<06:01, 50.87it/s]
39%|
              | 11591/30000 [03:59<05:52, 52.24it/s]
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              | 11598/30000 [03:59<05:29, 55.93it/s]
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              | 11648/30000 [04:00<06:04, 50.29it/s]
39%1
              | 11654/30000 [04:00<05:56, 51.50it/s]
39%
              | 11661/30000 [04:00<05:45, 53.10it/s]
              | 11668/30000 [04:00<05:35, 54.64it/s]
39%
              | 11674/30000 [04:00<06:25, 47.56it/s]
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39%1
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39%1
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39%|
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              | 11706/30000 [04:01<05:25, 56.19it/s]
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              | 11718/30000 [04:01<05:38, 54.04it/s]
              | 11724/30000 [04:01<06:00, 50.63it/s]
39%1
39%1
              | 11731/30000 [04:01<05:32, 54.96it/s]
39%
                11737/30000 [04:01<05:52, 51.80it/s]
39%
              | 11743/30000 [04:02<05:42, 53.36it/s]
39%|
              | 11753/30000 [04:02<05:20, 57.02it/s]
39%1
              | 11759/30000 [04:02<06:16, 48.49it/s]
              | 11765/30000 [04:02<07:22, 41.21it/s]
39%1
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39%
              | 11776/30000 [04:02<06:59, 43.45it/s]
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              | 11794/30000 [04:03<07:46, 38.99it/s]
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39%1
39%
                11804/30000 [04:03<08:02, 37.71it/s]
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39%
39%|
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39%
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40%|
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              | 11892/30000 [04:05<06:43, 44.92it/s]
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              | 11900/30000 [04:05<05:51, 51.46it/s]
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40%1
40%1
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                11950/30000 [04:06<05:21, 56.10it/s]
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              11958/30000 [04:06<04:55, 61.09it/s]
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4.0%1
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40%
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40%I
              | 12130/30000 [04:09<05:54, 50.46it/s]
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40%|
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                12166/30000 [04:10<05:58, 49.75it/s]
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              | 12204/30000 [04:11<06:46, 43.80it/s]
              | 12209/30000 [04:11<07:07, 41.60it/s]
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41%|
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              | 12222/30000 [04:11<06:05, 48.68it/s]
              | 12229/30000 [04:12<05:36, 52.83it/s]
41%|
41%|
                12235/30000 [04:12<06:14, 47.46it/s]
              | 12243/30000 [04:12<05:44, 51.61it/s]
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              | 12253/30000 [04:12<05:13, 56.64it/s]
41%|
              | 12260/30000 [04:12<05:01, 58.91it/s]
41%1
              | 12267/30000 [04:12<06:19, 46.73it/s]
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| 12273/30000 [04:12<06:09, 47.99it/s]
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41%
              | 12279/30000 [04:13<06:04, 48.62it/s]
41%|
              | 12285/30000 [04:13<06:01, 49.06it/s]
41%|
              | 12292/30000 [04:13<05:31, 53.46it/s]
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              | 12299/30000 [04:13<05:12, 56.57it/s]
41%|
              | 12308/30000 [04:13<04:39, 63.34it/s]
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              | 12315/30000 [04:13<05:47, 50.88it/s]
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              | 12321/30000 [04:13<07:14, 40.70it/s]
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              | 12328/30000 [04:13<06:23, 46.11it/s]
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              | 12340/30000 [04:14<06:33, 44.93it/s]
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              | 12346/30000 [04:14<06:40, 44.12it/s]
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              | 12363/30000 [04:14<05:25, 54.15it/s]
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              | 12370/30000 [04:14<05:15, 55.97it/s]
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              | 12376/30000 [04:14<05:39, 51.95it/s]
              | 12382/30000 [04:15<05:46, 50.79it/s]
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41%1
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41%|
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4281
42%
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42%|
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4281
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4281
42%
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              | 12507/30000 [04:17<06:18, 46.25it/s]
4281
42%|
              | 12513/30000 [04:17<06:07, 47.63it/s]
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              | 12519/30000 [04:17<05:48, 50.17it/s]
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              | 12525/30000 [04:17<06:20, 45.90it/s]
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42%
              | 12545/30000 [04:18<05:32, 52.57it/s]
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              | 12602/30000 [04:19<04:45, 60.98it/s]
42%
              | 12609/30000 [04:19<05:09, 56.12it/s]
              | 12616/30000 [04:19<05:18, 54.53it/s]
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              | 12622/30000 [04:19<05:37, 51.43it/s]
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              | 12638/30000 [04:19<04:37, 62.52it/s]
              | 12645/30000 [04:19<04:48, 60.20it/s]
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42%|
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42%
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4281
              | 12706/30000 [04:21<06:05, 47.36it/s]
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                12716/30000 [04:21<06:16, 45.87it/s]
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              | 12736/30000 [04:22<07:13, 39.79it/s]
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42%1
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42%
              | 12747/30000 [04:22<06:27, 44.51it/s]
              | 12756/30000 [04:22<05:32, 51.88it/s]
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43%1
              | 12762/30000 [04:22<07:20, 39.10it/s]
43%|
              | 12768/30000 [04:22<06:37, 43.36it/s]
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              | 12821/30000 [04:23<04:22, 65.57it/s]
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              | 12828/30000 [04:23<04:26, 64.53it/s]
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              | 12835/30000 [04:23<04:20, 65.96it/s]
              | 12844/30000 [04:23<04:03, 70.38it/s]
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              | 12852/30000 [04:23<04:32, 62.90it/s]
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              | 12859/30000 [04:24<04:31, 63.21it/s]
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              | 12866/30000 [04:24<04:40, 60.98it/s]
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              | 12874/30000 [04:24<04:35, 62.22it/s]
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                12881/30000 [04:24<06:54, 41.27it/s]
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43%1
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              | 12908/30000 [04:25<05:31, 51.59it/s]
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              | 13015/30000 [04:27<05:16, 53.62it/s]
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                13022/30000 [04:27<04:58, 56.79it/s]
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              | 13037/30000 [04:27<04:54, 57.63it/s]
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43%|
              | 13043/30000 [04:27<04:57, 56.97it/s]
              | 13051/30000 [04:27<04:35, 61.47it/s]
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44%|
              | 13171/30000 [04:30<06:03, 46.28it/s]
              | 13176/30000 [04:30<06:06, 45.95it/s]
44%|
44%1
              | 13184/30000 [04:30<05:27, 51.35it/s]
44%|
              | 13190/30000 [04:30<05:47, 48.44it/s]
              | 13196/30000 [04:30<06:36, 42.36it/s]
44%
                13201/30000 [04:30<06:26, 43.46it/s]
44% |
              | 13208/30000 [04:31<05:42, 49.02it/s]
44%
44%|
              | 13214/30000 [04:31<06:00, 46.52it/s]
44%|
              | 13220/30000 [04:31<06:00, 46.52it/s]
44%1
              | 13227/30000 [04:31<05:27, 51.18it/s]
44%|
              | 13233/30000 [04:31<06:41, 41.73it/s]
44%|
              | 13241/30000 [04:31<05:50, 47.86it/s]
              | 13247/30000 [04:31<05:34, 50.03it/s]
44%1
44%|
              | 13253/30000 [04:31<05:24, 51.58it/s]
44%|
              | 13259/30000 [04:32<06:03, 46.05it/s]
44%1
              | 13265/30000 [04:32<06:02, 46.14it/s]
44%
                13270/30000 [04:32<06:24, 43.47it/s]
              | 13275/30000 [04:32<07:54, 35.28it/s]
44%
44%|
              | 13281/30000 [04:32<07:00, 39.74it/s]
44%1
              | 13286/30000 [04:32<07:27, 37.37it/s]
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44%|
              | 13293/30000 [04:32<06:39, 41.85it/s]
              | 13300/30000 [04:33<05:53, 47.27it/s]
44%1
44%
              | 13306/30000 [04:33<06:15, 44.51it/s]
              | 13311/30000 [04:33<06:15, 44.48it/s]
44%
              | 13316/30000 [04:33<06:43, 41.31it/s]
44%1
44%|
              | 13321/30000 [04:33<06:23, 43.47it/s]
              | 13326/30000 [04:33<06:23, 43.44it/s]
44%1
44%
                13331/30000 [04:33<06:23, 43.44it/s]
44% |
                13337/30000 [04:33<06:16, 44.27it/s]
44%
              | 13343/30000 [04:34<05:54, 46.96it/s]
45%
              | 13351/30000 [04:34<05:12, 53.31it/s]
45%|
              | 13358/30000 [04:34<04:56, 56.14it/s]
              | 13368/30000 [04:34<04:19, 64.08it/s]
45%1
45%1
              | 13376/30000 [04:34<04:13, 65.47it/s]
45%|
              | 13384/30000 [04:34<04:06, 67.47it/s]
              | 13392/30000 [04:34<04:22, 63.35it/s]
45%1
45%|
              | 13399/30000 [04:34<04:45, 58.06it/s]
45%|
              | 13406/30000 [04:35<05:46, 47.86it/s]
45%|
              | 13412/30000 [04:35<05:27, 50.60it/s]
45%
                13420/30000 [04:35<04:51, 56.79it/s]
45%
              | 13427/30000 [04:35<05:52, 47.04it/s]
45%1
              | 13433/30000 [04:35<06:06, 45.17it/s]
45%1
              | 13438/30000 [04:35<06:05, 45.31it/s]
              | 13443/30000 [04:35<06:35, 41.84it/s]
45%1
45%
              | 13451/30000 [04:36<05:41, 48.51it/s]
45%
              | 13457/30000 [04:36<05:32, 49.72it/s]
45%|
              | 13463/30000 [04:36<05:40, 48.52it/s]
45%|
              | 13469/30000 [04:36<06:51, 40.21it/s]
              | 13474/30000 [04:36<06:56, 39.66it/s]
45%1
45%|
                13479/30000 [04:36<06:36, 41.62it/s]
45%
                13486/30000 [04:36<06:07, 44.97it/s]
              | 13491/30000 [04:36<06:36, 41.62it/s]
45%
45%|
              | 13497/30000 [04:37<06:11, 44.42it/s]
45%|
              | 13503/30000 [04:37<05:56, 46.31it/s]
              | 13509/30000 [04:37<05:40, 48.41it/s]
45%1
45%
                13515/30000 [04:37<05:23, 50.95it/s]
              | 13523/30000 [04:37<04:50, 56.71it/s]
45%|
              | 13529/30000 [04:37<05:39, 48.55it/s]
45%1
45%|
              | 13537/30000 [04:37<05:12, 52.64it/s]
45%1
              | 13543/30000 [04:37<05:12, 52.67it/s]
45%|
                13550/30000 [04:38<05:05, 53.85it/s]
45%|
                13556/30000 [04:38<05:06, 53.67it/s]
45%
              | 13562/30000 [04:38<05:35, 49.04it/s]
45%
              | 13568/30000 [04:38<05:27, 50.21it/s]
45%|
              | 13576/30000 [04:38<04:50, 56.45it/s]
45%1
              | 13582/30000 [04:38<06:43, 40.68it/s]
45%
              | 13588/30000 [04:38<06:05, 44.87it/s]
              | 13594/30000 [04:39<07:00, 39.04it/s]
45%
45%|
              | 13599/30000 [04:39<06:58, 39.22it/s]
45%|
              | 13604/30000 [04:39<06:59, 39.12it/s]
45%1
                13611/30000 [04:39<06:03, 45.07it/s]
45%|
              | 13617/30000 [04:39<07:22, 37.06it/s]
45%
                13623/30000 [04:39<06:43, 40.62it/s]
45%
              | 13628/30000 [04:39<06:52, 39.70it/s]
45%|
              | 13633/30000 [04:40<07:02, 38.70it/s]
45%|
              | 13639/30000 [04:40<06:47, 40.19it/s]
45%1
              | 13648/30000 [04:40<06:09, 44.30it/s]
46%
                13653/30000 [04:40<06:36, 41.19it/s]
46%
              | 13658/30000 [04:40<06:39, 40.90it/s]
46%|
              | 13663/30000 [04:40<07:04, 38.48it/s]
46%|
              | 13667/30000 [04:40<07:23, 36.85it/s]
                13675/30000 [04:40<06:13, 43.69it/s]
46%
46%
                13683/30000 [04:41<05:27, 49.77it/s]
46%
                13689/30000 [04:41<05:17, 51.33it/s]
              | 13695/30000 [04:41<05:25, 50.10it/s]
46%
46%1
              | 13704/30000 [04:41<04:56, 54.94it/s]
46%
                13710/30000 [04:41<05:10, 52.46it/s]
46%1
              | 13716/30000 [04:41<05:25, 50.07it/s]
46%
                13722/30000 [04:41<05:34, 48.65it/s]
46%
              | 13728/30000 [04:41<05:59, 45.22it/s]
46%|
              | 13736/30000 [04:42<05:22, 50.41it/s]
46%|
                13742/30000 [04:42<05:52, 46.07it/s]
46%1
                13747/30000 [04:42<06:03, 44.71it/s]
46%|
                13756/30000 [04:42<05:18, 51.07it/s]
46%
                13762/30000 [04:42<05:08, 52.72it/s]
46%
              13770/30000 [04:42<04:38, 58.21it/s]
              | 13777/30000 [04:42<04:58, 54.31it/s]
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46%
              | 13785/30000 [04:42<04:44, 57.08it/s]
46%1
              | 13791/30000 [04:43<05:01, 53.82it/s]
              | 13798/30000 [04:43<04:45, 56.77it/s]
46%
                13804/30000 [04:43<04:50, 55.75it/s]
46%
46%
              | 13810/30000 [04:43<05:19, 50.67it/s]
46%|
              | 13816/30000 [04:43<05:24, 49.84it/s]
46%|
              | 13822/30000 [04:43<06:21, 42.38it/s]
               13827/30000 [04:43<06:38, 40.62it/s]
46%1
46%
                13835/30000 [04:44<05:49, 46.31it/s]
46%
               13842/30000 [04:44<05:21, 50.33it/s]
46%
              | 13850/30000 [04:44<04:52, 55.15it/s]
46%1
              | 13856/30000 [04:44<05:30, 48.86it/s]
46%
               13862/30000 [04:44<06:05, 44.13it/s]
46%|
               13870/30000 [04:44<05:21, 50.21it/s]
46%
                13877/30000
                             [04:44<05:05, 52.71it/s]
              | 13883/30000 [04:45<08:13, 32.68it/s]
46%1
46%|
              | 13890/30000 [04:45<06:55, 38.76it/s]
46%|
                13899/30000 [04:45<05:51, 45.83it/s]
               13906/30000 [04:45<06:31, 41.12it/s]
46%1
46%
                13914/30000 [04:45<05:41, 47.13it/s]
46%
               13920/30000 [04:45<05:49, 45.97it/s]
              | 13926/30000 [04:45<05:56, 45.09it/s]
46%
              | 13932/30000 [04:46<05:36, 47.79it/s]
46%
46%1
              | 13940/30000 [04:46<05:00, 53.40it/s]
46%|
              | 13946/30000 [04:46<05:19, 50.23it/s]
47%
                13952/30000
                             [04:46<05:14, 50.99it/s]
47%
              | 13958/30000 [04:46<05:29, 48.63it/s]
47%
              | 13965/30000 [04:46<05:38, 47.38it/s]
47%|
                13970/30000 [04:46<05:53, 45.34it/s]
47%
                13977/30000 [04:46<05:20, 49.99it/s]
47%|
                13983/30000
                             [04:47<05:49, 45.80it/s]
                13990/30000 [04:47<07:46, 34.28it/s]
47%
47%
              | 13995/30000 [04:47<08:03, 33.12it/s]
              | 14004/30000 [04:47<06:38, 40.17it/s]
47%|
47%
              | 14010/30000 [04:47<06:13, 42.85it/s]
              14019/30000 [04:47<05:21, 49.69it/s]
47%
47%
                14025/30000
                             [04:48<06:19, 42.08it/s]
47%
              | 14031/30000 [04:48<07:28, 35.57it/s]
47%1
              | 14039/30000 [04:48<06:17, 42.27it/s]
47%|
               14045/30000 [04:48<06:48, 39.09it/s]
                14050/30000 [04:48<07:02, 37.75it/s]
47%
47%
                14055/30000 [04:48<06:31, 40.74it/s]
              | 14060/30000 [04:48<06:22, 41.62it/s]
47%
47%
              | 14066/30000 [04:49<05:48, 45.69it/s]
47%|
              | 14071/30000 [04:49<05:59, 44.31it/s]
47%
               14076/30000 [04:49<06:40, 39.72it/s]
47%|
              | 14081/30000 [04:49<07:10, 37.00it/s]
47%
                14085/30000
                             [04:49<07:09, 37.03it/s]
47%
              | 14089/30000 [04:49<07:02, 37.69it/s]
47%|
              | 14094/30000 [04:49<06:58, 37.99it/s]
47%|
                14102/30000 [04:49<06:06, 43.42it/s]
47%
                14109/30000 [04:50<05:43, 46.25it/s]
47%
                14117/30000 [04:50<05:08, 51.46it/s]
47%
              | 14123/30000 [04:50<05:14, 50.49it/s]
47%
              | 14129/30000 [04:50<05:33, 47.59it/s]
47%
              | 14136/30000 [04:50<05:03, 52.22it/s]
47%|
              | 14144/30000 [04:50<04:39, 56.66it/s]
              | 14150/30000 [04:50<04:43, 55.96it/s]
47%|
47%
                14157/30000
                             [04:50<04:44, 55.71it/s]
47%
              | 14163/30000 [04:51<05:30, 47.90it/s]
47%
              | 14169/30000 [04:51<05:23, 48.98it/s]
47%|
               14175/30000 [04:51<05:49, 45.30it/s]
47%1
                14181/30000 [04:51<05:25, 48.59it/s]
47%
                14190/30000 [04:51<04:50, 54.37it/s]
                14197/30000 [04:51<04:42, 55.97it/s]
47%
47%
              | 14203/30000 [04:51<04:57, 53.14it/s]
47%|
              | 14210/30000 [04:51<04:36, 57.02it/s]
47%1
              | 14221/30000 [04:52<04:15, 61.75it/s]
47%
              | 14228/30000 [04:52<04:37, 56.84it/s]
47%|
                14236/30000
                             [04:52<04:24, 59.62it/s]
47%
              | 14244/30000 [04:52<04:05, 64.13it/s]
48%|
              | 14251/30000 [04:52<04:00, 65.44it/s]
48%|
               14258/30000 [04:52<04:52, 53.81it/s]
48%1
               14265/30000 [04:52<04:45, 55.13it/s]
48%
                14272/30000 [04:52<04:34, 57.35it/s]
48%
              14278/30000 [04:53<04:59, 52.49it/s]
              | 14284/30000 [04:53<05:40, 46.19it/s]
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48%
              | 14291/30000 [04:53<05:21, 48.86it/s]
48%
                14297/30000 [04:53<05:27, 47.93it/s]
              | 14302/30000 [04:53<06:19, 41.37it/s]
48%
48%
              | 14309/30000 [04:53<05:39, 46.15it/s]
48%|
              | 14315/30000
                             [04:53<05:25, 48.11it/s]
48%1
              | 14322/30000 [04:54<04:59, 52.30it/s]
48%1
              | 14328/30000 [04:54<05:11, 50.24it/s]
48%1
              | 14334/30000 [04:54<05:31, 47.25it/s]
              | 14344/30000 [04:54<04:39, 55.99it/s]
48%1
48%
                14351/30000 [04:54<04:44, 55.06it/s]
              | 14358/30000 [04:54<06:15, 41.68it/s]
48%
48%
              | 14364/30000 [04:54<05:58, 43.59it/s]
48%|
              | 14370/30000 [04:55<05:37, 46.27it/s]
              | 14376/30000 [04:55<05:32, 46.97it/s]
48%|
48%
              | 14382/30000 [04:55<05:20, 48.67it/s]
48%
              | 14389/30000
                             [04:55<05:23, 48.28it/s]
48%1
              | 14396/30000 [04:55<05:00, 52.01it/s]
48%1
              | 14402/30000 [04:55<05:31, 47.01it/s]
48%|
              | 14408/30000 [04:55<05:15, 49.41it/s]
48%
              | 14416/30000 [04:55<04:43, 54.99it/s]
48%
                14422/30000 [04:56<05:58, 43.50it/s]
              | 14427/30000 [04:56<06:11, 41.90it/s]
48%
48%|
              | 14432/30000 [04:56<06:10, 41.98it/s]
48%|
              | 14440/30000 [04:56<06:02, 42.94it/s]
              14445/30000 [04:56<06:25, 40.36it/s]
48%1
48%
              | 14452/30000 [04:56<05:45, 44.94it/s]
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              | 14458/30000 [04:56<05:21, 48.39it/s]
48%1
              | 14464/30000 [04:57<06:24, 40.42it/s]
              | 14470/30000 [04:57<05:48, 44.52it/s]
48%|
48%1
                14476/30000 [04:57<05:44, 45.05it/s]
48%|
              | 14484/30000 [04:57<04:59, 51.79it/s]
48%
                14490/30000 [04:57<04:48, 53.77it/s]
              | 14496/30000 [04:57<05:10, 49.87it/s]
48%
48%
              | 14503/30000 [04:57<04:52, 53.03it/s]
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                14509/30000 [04:57<05:22, 48.07it/s]
48%1
              | 14517/30000 [04:58<05:09, 50.03it/s]
48%1
              | 14524/30000 [04:58<04:47, 53.85it/s]
48%
              | 14531/30000 [04:58<04:48, 53.62it/s]
              | 14539/30000 [04:58<04:20, 59.46it/s]
48%1
              | 14546/30000 [04:58<04:38, 55.55it/s]
48%1
49%|
              | 14552/30000 [04:58<04:55, 52.35it/s]
              | 14558/30000 [04:58<05:07, 50.14it/s]
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                14564/30000 [04:59<05:52, 43.80it/s]
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              | 14569/30000 [04:59<05:41, 45.18it/s]
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              | 14578/30000 [04:59<05:13, 49.14it/s]
49%|
              | 14584/30000 [04:59<05:56, 43.27it/s]
49%1
              | 14590/30000 [04:59<05:26, 47.17it/s]
49%
              | 14596/30000 [04:59<05:16, 48.60it/s]
49%
              | 14602/30000 [04:59<05:08, 49.88it/s]
49%|
              | 14610/30000 [04:59<04:41, 54.64it/s]
49%1
              | 14617/30000 [04:59<04:30, 56.89it/s]
49%1
              | 14624/30000 [05:00<04:17, 59.68it/s]
49%
              | 14631/30000 [05:00<05:10, 49.48it/s]
49%
                14640/30000 [05:00<04:40, 54.67it/s]
49%
              | 14646/30000 [05:00<04:40, 54.73it/s]
49%|
              | 14654/30000 [05:00<04:19, 59.19it/s]
49%|
              | 14661/30000 [05:00<04:40, 54.67it/s]
              | 14669/30000 [05:00<04:15, 59.95it/s]
49%
49%1
              | 14676/30000 [05:01<04:27, 57.38it/s]
49%
              | 14683/30000 [05:01<05:30, 46.33it/s]
49%
              | 14691/30000 [05:01<05:07, 49.85it/s]
49%|
              | 14697/30000 [05:01<05:06, 49.98it/s]
49%1
                14703/30000 [05:01<05:24, 47.21it/s]
49%|
              | 14708/30000 [05:01<05:31, 46.17it/s]
49%
                14715/30000 [05:01<05:02, 50.61it/s]
              | 14721/30000 [05:02<05:34, 45.69it/s]
49%
49%
              | 14726/30000 [05:02<05:38, 45.06it/s]
49%
                14732/30000 [05:02<05:28, 46.51it/s]
49%1
              | 14738/30000 [05:02<05:17, 48.00it/s]
49%1
              | 14747/30000 [05:02<05:04, 50.10it/s]
49%
              | 14754/30000 [05:02<05:14, 48.44it/s]
49%|
              | 14762/30000 [05:02<04:39, 54.59it/s]
49%|
              | 14770/30000 [05:02<04:16, 59.27it/s]
              | 14777/30000 [05:03<04:19, 58.69it/s]
49%1
49%|
              | 14784/30000 [05:03<04:54, 51.66it/s]
49%
              | 14791/30000 [05:03<04:32, 55.76it/s]
              1 14799/30000 [05:03<04:10. 60.67it/s]
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49%
              | 14806/30000 [05:03<04:59, 50.70it/s]
49%
              | 14812/30000 [05:03<05:09, 49.11it/s]
49%
              | 14818/30000 [05:03<05:17, 47.85it/s]
49%
              | 14826/30000 [05:03<04:39, 54.35it/s]
49%
                14833/30000 [05:04<04:25, 57.02it/s]
49%1
              | 14841/30000 [05:04<04:32, 55.71it/s]
49%|
              | 14848/30000 [05:04<04:19, 58.36it/s]
              | 14857/30000 [05:04<05:27, 46.18it/s]
50%|
50%1
              | 14867/30000 [05:04<04:38, 54.36it/s]
50%1
              | 14874/30000 [05:04<04:53, 51.45it/s]
50%|
                14880/30000 [05:05<05:12, 48.43it/s]
              | 14886/30000 [05:05<06:27, 39.01it/s]
50%
50%
              | 14891/30000 [05:05<07:29, 33.60it/s]
50%1
              | 14895/30000 [05:05<07:23, 34.08it/s]
50%|
              | 14902/30000 [05:05<06:52, 36.59it/s]
50%
              | 14909/30000 [05:05<06:15, 40.18it/s]
              | 14916/30000 [05:05<05:50, 43.00it/s]
50%1
50%|
              | 14923/30000 [05:06<05:17, 47.44it/s]
50%|
              | 14929/30000 [05:06<05:12, 48.22it/s]
50%|
              | 14935/30000 [05:06<04:54, 51.20it/s]
50%|
              | 14944/30000 [05:06<04:20, 57.89it/s]
50%
              | 14951/30000 [05:06<04:39, 53.84it/s]
50%
              | 14957/30000 [05:06<04:47, 52.34it/s]
50%1
              | 14964/30000 [05:06<04:28, 56.05it/s]
50%1
              | 14972/30000 [05:06<04:19, 57.88it/s]
50%1
              | 14978/30000 [05:07<04:29, 55.68it/s]
50%
                14985/30000 [05:07<04:18, 58.03it/s]
50%1
              | 14993/30000 [05:07<04:03, 61.59it/s]
50%1
              | 15000/30000 [05:07<04:27, 55.98it/s]
50%|
              | 15010/30000 [05:07<04:03, 61.55it/s]
              | 15017/30000 [05:07<04:08, 60.29it/s]
50%1
50%
                15024/30000 [05:07<05:22, 46.45it/s]
50%
              | 15030/30000 [05:08<05:39, 44.08it/s]
              | 15035/30000 [05:08<05:58, 41.77it/s]
50%
50%
              | 15041/30000 [05:08<05:52, 42.42it/s]
50%
              | 15047/30000 [05:08<05:21, 46.48it/s]
50%
              | 15054/30000 [05:08<05:43, 43.54it/s]
50%|
                15061/30000 [05:08<05:23, 46.24it/s]
              | 15069/30000 [05:08<05:20, 46.58it/s]
50%1
50%|
              | 15077/30000 [05:08<04:42, 52.77it/s]
50%|
              | 15085/30000 [05:09<04:30, 55.23it/s]
                15091/30000 [05:09<05:07, 48.51it/s]
50%1
50%
                15097/30000 [05:09<05:20, 46.57it/s]
50%|
              | 15102/30000 [05:09<05:41, 43.61it/s]
50%
              | 15107/30000 [05:09<05:46, 43.00it/s]
50%
              | 15112/30000 [05:09<06:17, 39.41it/s]
50%1
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50%1
              | 15123/30000 [05:10<06:14, 39.76it/s]
50%|
                15128/30000 [05:10<06:23, 38.79it/s]
              | 15134/30000 [05:10<05:57, 41.60it/s]
50%1
50%1
              | 15139/30000 [05:10<07:06, 34.85it/s]
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50%1
              | 15150/30000 [05:10<07:16, 34.00it/s]
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51%
              | 15163/30000 [05:11<05:41, 43.41it/s]
              | 15169/30000 [05:11<05:14, 47.23it/s]
51%|
51%|
              | 15177/30000 [05:11<04:40, 52.84it/s]
51%I
              | 15183/30000 [05:11<05:05, 48.57it/s]
              | 15189/30000 [05:11<05:29, 45.00it/s]
51%|
51%
                15195/30000 [05:11<05:22, 45.91it/s]
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              | 15202/30000 [05:11<04:52, 50.59it/s]
51%|
              | 15208/30000 [05:11<05:06, 48.29it/s]
51%|
                15214/30000 [05:12<05:17, 46.61it/s]
                15220/30000 [05:12<05:09, 47.74it/s]
51%1
51%
                15229/30000 [05:12<04:39, 52.77it/s]
              | 15235/30000 [05:12<04:41, 52.45it/s]
51%
              | 15243/30000 [05:12<04:56, 49.75it/s]
51%
              | 15249/30000 [05:12<05:00, 49.06it/s]
51%
51%1
              | 15255/30000 [05:12<05:22, 45.77it/s]
51%|
              | 15260/30000 [05:13<05:21, 45.90it/s]
51%
                15265/30000 [05:13<06:07, 40.09it/s]
51%|
              | 15270/30000 [05:13<07:19, 33.49it/s]
51%|
              | 15275/30000 [05:13<07:42, 31.86it/s]
51%|
              | 15279/30000 [05:13<07:37, 32.20it/s]
              | 15286/30000 [05:13<06:23, 38.40it/s]
51%|
51%
              | 15292/30000 [05:13<05:53, 41.55it/s]
              | 15300/30000 [05·14<05·06 47 98i+/s]
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51%
              | 15307/30000 [05:14<04:42, 52.01it/s]
51%|
              | 15313/30000 [05:14<05:17, 46.23it/s]
51%|
              | 15319/30000 [05:14<05:13, 46.82it/s]
              | 15326/30000 [05:14<05:03, 48.32it/s]
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51%1
              | 15332/30000 [05:14<04:51, 50.28it/s]
51%
              | 15340/30000 [05:14<04:31, 54.01it/s]
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51%|
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              | 15362/30000 [05:15<04:05, 59.53it/s]
              | 15369/30000 [05:15<05:09, 47.35it/s]
51%1
                15375/30000 [05:15<05:12, 46.79it/s]
51%
              | 15381/30000 [05:15<05:33, 43.87it/s]
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51%|
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51%|
              | 15394/30000 [05:15<04:45, 51.17it/s]
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              | 15402/30000 [05:15<04:14, 57.29it/s]
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              | 15409/30000 [05:16<04:27, 54.64it/s]
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              | 15424/30000 [05:16<04:44, 51.26it/s]
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              | 15432/30000 [05:16<04:42, 51.62it/s]
51%|
              | 15438/30000 [05:16<05:31, 43.87it/s]
              | 15443/30000 [05:16<05:47, 41.94it/s]
51%I
52%
                15450/30000 [05:16<05:08, 47.12it/s]
              | 15457/30000 [05:17<05:05, 47.64it/s]
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              | 15463/30000 [05:17<04:50, 49.96it/s]
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              | 15471/30000 [05:17<04:51, 49.91it/s]
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              | 15478/30000 [05:17<04:59, 48.50it/s]
52%1
              | 15486/30000 [05:17<04:28, 54.14it/s]
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              | 15492/30000 [05:17<04:29, 53.92it/s]
              | 15498/30000 [05:17<04:59, 48.38it/s]
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52%1
              | 15504/30000 [05:18<05:11, 46.56it/s]
52%1
              | 15509/30000 [05:18<05:30, 43.80it/s]
52%1
              | 15514/30000 [05:18<08:28, 28.48it/s]
52%
                15518/30000 [05:18<07:48, 30.94it/s]
              | 15527/30000 [05:18<06:18, 38.27it/s]
52%
52%|
              | 15533/30000 [05:18<05:50, 41.23it/s]
              | 15542/30000 [05:18<04:56, 48.70it/s]
52%|
              | 15549/30000 [05:19<05:42, 42.22it/s]
5281
5281
              | 15555/30000 [05:19<05:29, 43.83it/s]
52%
              | 15561/30000 [05:19<06:13, 38.70it/s]
              | 15566/30000 [05:19<07:01, 34.27it/s]
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52%1
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              | 15574/30000 [05:19<07:26, 32.31it/s]
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52%1
52%
                15590/30000 [05:20<06:10, 38.86it/s]
52%
              | 15598/30000 [05:20<05:13, 45.94it/s]
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              | 15608/30000 [05:20<04:24, 54.40it/s]
52%|
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              | 15621/30000 [05:20<05:09, 46.48it/s]
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              | 15678/30000 [05:21<05:18, 44.94it/s]
528
52%
              | 15690/30000 [05:21<04:24, 54.12it/s]
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              | 15697/30000 [05:22<04:17, 55.63it/s]
52%|
              | 15704/30000 [05:22<04:06, 57.98it/s]
52%
              | 15711/30000 [05:22<04:16, 55.67it/s]
52%
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              | 15723/30000 [05:22<04:45, 49.98it/s]
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52%|
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52%|
              | 15735/30000 [05:22<05:42, 41.62it/s]
              15742/30000 [05:22<05:04, 46.83it/s]
52%1
                15748/30000 [05:23<05:07, 46.28it/s]
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              | 15756/30000 [05:23<04:29, 52.88it/s]
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              | 15764/30000 [05:23<04:14, 55.95it/s]
              | 15771/30000 [05:23<04:51, 48.82it/s]
53%|
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              | 15777/30000 [05:23<05:56, 39.88it/s]
53%
              | 15782/30000 [05:23<05:40, 41.75it/s]
53%1
              | 15788/30000 [05:23<05:19, 44.44it/s]
53%1
              | 15794/30000 [05:24<05:02, 46.94it/s]
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              | 15801/30000 [05:24<04:33, 51.89it/s]
53%1
              | 15807/30000 [05:24<04:49, 48.94it/s]
              | 15813/30000 [05:24<04:48, 49.22it/s]
53%|
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1JU13/JUUUU [UJ.Z4\UJ.Z1, 44.111L/5]
53%
                15828/30000 [05:24<04:34, 51.62it/s]
53%
              | 15834/30000 [05:24<04:32, 51.97it/s]
53%
              | 15843/30000 [05:24<03:57, 59.50it/s]
53%1
              | 15850/30000 [05:25<04:57, 47.52it/s]
              | 15856/30000 [05:25<04:49, 48.81it/s]
53%1
53%
              | 15862/30000 [05:25<05:05, 46.31it/s]
53%
              | 15868/30000 [05:25<05:26, 43.28it/s]
53%|
              | 15873/30000 [05:25<06:05, 38.64it/s]
              | 15878/30000 [05:25<05:46, 40.76it/s]
53%|
              | 15883/30000 [05:25<06:22, 36.88it/s]
53%1
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                15890/30000 [05:26<05:38, 41.65it/s]
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                15895/30000 [05:26<05:49, 40.32it/s]
              | 15900/30000 [05:26<05:54, 39.77it/s]
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53%|
              | 15906/30000 [05:26<05:38, 41.62it/s]
53%|
              | 15913/30000 [05:26<05:15, 44.67it/s]
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              | 15921/30000 [05:26<04:36, 50.99it/s]
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                15927/30000 [05:26<04:52, 48.04it/s]
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              | 15933/30000 [05:27<05:04, 46.15it/s]
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              | 15941/30000 [05:27<04:34, 51.19it/s]
              | 15947/30000 [05:27<04:31, 51.68it/s]
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              | 15957/30000 [05:27<03:56, 59.37it/s]
53%1
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                15964/30000 [05:27<04:17, 54.56it/s]
53%
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53%
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                16001/30000 [05:28<05:29, 42.52it/s]
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              | 16009/30000 [05:28<04:46, 48.80it/s]
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              | 16016/30000 [05:28<04:27, 52.36it/s]
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                16042/30000 [05:29<04:15, 54.69it/s]
              | 16048/30000 [05:29<05:01, 46.35it/s]
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54%
              | 16053/30000 [05:29<05:15, 44.14it/s]
54%|
              | 16058/30000 [05:29<05:10, 44.93it/s]
              | 16064/30000 [05:29<04:58, 46.68it/s]
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54%
                16069/30000 [05:29<05:21, 43.30it/s]
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              | 16075/30000 [05:29<05:25, 42.77it/s]
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              | 16080/30000 [05:30<06:13, 37.24it/s]
54%|
              | 16088/30000 [05:30<05:24, 42.82it/s]
54%|
              | 16093/30000 [05:30<05:56, 38.99it/s]
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                16098/30000 [05:30<05:34, 41.52it/s]
54%
              | 16103/30000 [05:30<06:22, 36.32it/s]
54%
              | 16107/30000 [05:30<06:51, 33.78it/s]
54%
              | 16111/30000 [05:30<08:29, 27.27it/s]
54%1
              | 16117/30000 [05:31<07:09, 32.29it/s]
54%1
              | 16125/30000 [05:31<05:54, 39.19it/s]
54%
                16134/30000 [05:31<04:59, 46.37it/s]
              | 16141/30000 [05:31<05:16, 43.80it/s]
54%
              | 16147/30000 [05:31<05:00, 46.10it/s]
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              | 16161/30000 [05:31<04:23, 52.57it/s]
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              | 16173/30000 [05:32<04:39, 49.50it/s]
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              | 16179/30000 [05:32<05:21, 43.00it/s]
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              | 16189/30000 [05:32<05:32, 41.59it/s]
              | 16194/30000 [05:32<05:22, 42.79it/s]
54%|
54%|
              | 16202/30000 [05:32<04:40, 49.24it/s]
              | 16211/30000 [05:32<04:07, 55.77it/s]
54%
54%|
              | 16218/30000 [05:32<04:04, 56.30it/s]
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              | 16226/30000 [05:33<03:50, 59.86it/s]
              | 16233/30000 [05:33<03:54, 58.73it/s]
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54%|
                16240/30000 [05:33<04:19, 53.03it/s]
54%
                16246/30000 [05:33<04:13, 54.26it/s]
54%
              | 16256/30000 [05:33<03:55, 58.31it/s]
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              | 16263/30000 [05:33<03:52, 59.12it/s]
54%1
              | 16270/30000 [05:33<03:43, 61.51it/s]
54%1
              | 16277/30000 [05:34<05:03, 45.27it/s]
54%
                16284/30000 [05:34<04:32, 50.34it/s]
              | 16290/30000 [05:34<04:31, 50.59it/s]
54%
54%|
              | 16296/30000 [05:34<05:20, 42.73it/s]
54%|
              | 16302/30000 [05:34<04:53, 46.73it/s]
              | 16310/30000 [05:34<04:34, 49.88it/s]
54%
                16216/20000 [05.24/04.22
                                           50 00i+/a1
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10310/30000 [03:34\04:22, 32.2316/8]
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                16324/30000 [05:34<04:01, 56.54it/s]
              | 16330/30000 [05:35<04:14, 53.72it/s]
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54%
              | 16336/30000 [05:35<05:45, 39.56it/s]
              | 16341/30000 [05:35<05:28, 41.57it/s]
54%
54%1
              | 16346/30000 [05:35<05:39, 40.17it/s]
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              | 16353/30000 [05:35<04:59, 45.64it/s]
                16360/30000 [05:35<04:37, 49.08it/s]
55%
55%1
              | 16366/30000 [05:35<04:30, 50.49it/s]
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              | 16373/30000 [05:35<04:13, 53.74it/s]
55%1
               16379/30000 [05:36<04:27, 50.93it/s]
55%1
              | 16385/30000 [05:36<04:36, 49.26it/s]
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                16391/30000 [05:36<04:48, 47.17it/s]
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              | 16400/30000 [05:36<04:25, 51.24it/s]
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              | 16406/30000 [05:36<04:35, 49.36it/s]
              | 16412/30000 [05:36<04:31, 50.06it/s]
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              | 16418/30000 [05:36<04:37, 48.96it/s]
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55%|
              | 16424/30000 [05:36<04:23, 51.48it/s]
55%
                16430/30000
                             [05:37<04:25, 51.06it/s]
              | 16436/30000 [05:37<06:02, 37.42it/s]
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55%1
              | 16441/30000 [05:37<05:44, 39.34it/s]
55%|
              | 16446/30000 [05:37<06:53, 32.81it/s]
               16453/30000 [05:37<06:08, 36.74it/s]
55%1
55%
                16458/30000 [05:37<06:54, 32.69it/s]
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55%
              | 16468/30000 [05:38<06:02, 37.30it/s]
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                16490/30000
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55%|
              | 16501/30000 [05:39<05:09, 43.69it/s]
55%1
               16507/30000 [05:39<05:03, 44.41it/s]
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               16512/30000 [05:39<09:36, 23.40it/s]
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                16522/30000 [05:39<07:26, 30.16it/s]
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              | 16530/30000 [05:39<06:03, 37.06it/s]
              | 16537/30000 [05:39<05:27, 41.15it/s]
55%
              | 16543/30000 [05:40<05:05, 43.99it/s]
55%|
55%1
              | 16549/30000 [05:40<04:45, 47.17it/s]
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              | 16557/30000 [05:40<04:13, 52.98it/s]
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                16564/30000 [05:40<04:01, 55.69it/s]
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55%1
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               16584/30000 [05:40<03:59, 55.94it/s]
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              | 16608/30000 [05:41<05:13, 42.78it/s]
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              | 16613/30000 [05:41<05:38, 39.57it/s]
              | 16619/30000 [05:41<05:10, 43.06it/s]
55%1
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                16629/30000 [05:41<05:23, 41.30it/s]
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55%1
              | 16644/30000 [05:42<04:34, 48.62it/s]
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               16652/30000 [05:42<04:04, 54.65it/s]
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                16659/30000 [05:42<05:07, 43.32it/s]
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              | 16688/30000 [05:42<04:18, 51.40it/s]
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56%
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56%|
                16793/30000
                             [05:44<03:43, 59.00it/s]
              | 16800/30000 [05:44<03:35, 61.20it/s]
56%1
56%1
              | 16807/30000 [05:44<03:53, 56.52it/s]
               16813/30000 [05:45<03:49, 57.35it/s]
56%
                1.0000/20000 [05.45.02.41
```

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| 1682U/3UUUU [U5:45<U3:41, 59.6Ult/S]
                16827/30000 [05:45<04:03, 54.10it/s]
56%
56%
                16833/30000 [05:45<04:15, 51.48it/s]
              | 16840/30000 [05:45<03:57, 55.37it/s]
56%
56%
              | 16846/30000 [05:45<04:42, 46.49it/s]
56%
              | 16855/30000 [05:45<04:09, 52.60it/s]
56%
              | 16861/30000 [05:45<04:18, 50.89it/s]
56%
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56%
               16879/30000 [05:46<03:45, 58.15it/s]
              | 16886/30000 [05:46<03:39, 59.84it/s]
56%
56%
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56%
                16899/30000 [05:46<04:02, 53.93it/s]
                16906/30000 [05:46<04:04, 53.57it/s]
56%
56%
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              | 16922/30000 [05:46<03:24, 63.93it/s]
56%
56%
              | 16929/30000 [05:47<03:33, 61.33it/s]
56%
               16936/30000 [05:47<03:37, 59.95it/s]
              | 16943/30000 [05:47<03:45, 57.89it/s]
56%
56%
                16949/30000 [05:47<04:19, 50.23it/s]
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57%
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57%1
                16976/30000 [05:48<04:10, 51.91it/s]
57%1
               16982/30000 [05:48<04:03, 53.43it/s]
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                16988/30000 [05:48<04:21, 49.73it/s]
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              | 17001/30000 [05:48<04:10, 51.84it/s]
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                17022/30000 [05:49<05:59, 36.12it/s]
57%
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              | 17042/30000 [05:49<04:37, 46.69it/s]
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               17048/30000 [05:49<04:33, 47.39it/s]
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57%
                17061/30000 [05:49<04:16, 50.53it/s]
57%
              | 17067/30000 [05:50<04:38, 46.45it/s]
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57%
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57%
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              | 17101/30000 [05:50<04:35, 46.81it/s]
57%
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               17114/30000 [05:51<04:31, 47.51it/s]
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57%
               17119/30000 [05:51<05:52, 36.53it/s]
               17125/30000 [05:51<05:11, 41.32it/s]
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57%
              | 17130/30000 [05:51<05:45, 37.29it/s]
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              | 17135/30000 [05:51<05:38, 38.01it/s]
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               17140/30000 [05:51<05:17, 40.49it/s]
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                17186/30000 [05:52<04:11, 50.88it/s]
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              | 17192/30000 [05:52<04:45, 44.90it/s]
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              | 17199/30000 [05:52<04:15, 50.15it/s]
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57%
                17221/30000 [05:53<04:23, 48.44it/s]
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                17249/30000 [05:53<03:45, 56.60it/s]
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              | 17270/30000 [05:54<05:29, 38.63it/s]
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              | 17309/30000 [05:55<03:46, 56.01it/s]
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58%
                17315/30000 [05:55<03:52, 54.61it/s]
```

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              | 1/321/30000 [05:55<03:4/, 55./31t/s]
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              | 17333/30000 [05:55<04:27, 47.27it/s]
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              | 17340/30000 [05:55<04:12, 50.20it/s]
              | 17346/30000 [05:55<04:18, 48.96it/s]
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              | 17352/30000 [05:55<04:16, 49.27it/s]
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                17553/30000 [05:59<03:42, 56.04it/s]
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              | 17561/30000 [05:59<03:22, 61.46it/s]
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              | 17568/30000 [06:00<03:34, 57.84it/s]
              | 17575/30000 [06:00<03:43, 55.63it/s]
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              | 17581/30000 [06:00<03:49, 54.06it/s]
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              | 17588/30000 [06:00<03:35, 57.52it/s]
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                17594/30000
                             [06:00<03:40, 56.29it/s]
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              | 17604/30000 [06:00<03:12, 64.42it/s]
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                17630/30000 [06:01<03:58, 51.87it/s]
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59%1
                17653/30000 [06:01<04:09, 49.56it/s]
              | 17659/30000 [06:01<04:00, 51.26it/s]
59%|
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                17665/30000
                             [06:01<05:01, 40.88it/s]
              | 17673/30000 [06:02<04:31, 45.35it/s]
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              | 17679/30000 [06:02<04:21, 47.03it/s]
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              | 17718/30000 [06:02<03:32, 57.70it/s]
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              | 17724/30000 [06:03<04:16, 47.83it/s]
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59%1
              | 17730/30000 [06:03<04:13, 48.39it/s]
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                             [06:03<04:00, 50.92it/s]
                17745/30000
              | 17751/30000 [06:03<03:57, 51.53it/s]
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59%1
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                17787/30000 [06:04<03:13, 63.24it/s]
              | 17795/30000 [06:04<03:25, 59.38it/s]
59%
59%
              | 17802/30000 [06:04<03:29, 58.34it/s]
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                17809/30000 [06:04<03:18, 61.38it/s]
                17816/30000 [06:04<03:23, 59.95it/s]
59%|
59%|
                17827/30000
                             [06:04<03:04, 66.14it/s]
              | 17834/30000 [06:04<03:11, 63.56it/s]
59%
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              | 17841/30000 [06:04<03:25, 59.07it/s]
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               17858/30000 [06:05<03:02, 66.49it/s]
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              | 17865/30000 [06:05<03:15, 62.11it/s]
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                17872/30000 [06:05<03:30, 57.53it/s]
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              | 17889/30000 [06:05<04:33, 44.29it/s]
              | 17896/30000 [06:05<04:04, 49.46it/s]
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              | 17902/30000 [06:06<04:06, 49.03it/s]
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              | 17908/30000 [06:06<04:15, 47.37it/s]
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                17914/30000
                             [06:06<04:42, 42.85it/s]
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              | 17925/30000 [06:06<04:15, 47.31it/s]
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                17946/30000 [06:06<04:03, 49.54it/s]
              | 17955/30000 [06:07<03:32, 56.55it/s]
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              | 17962/30000 [06:07<03:30, 57.12it/s]
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                17981/30000 [06:07<04:21, 45.98it/s]
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                17986/30000
                             [06:07<04:28, 44.68it/s]
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60%1
              | 17998/30000 [06:07<04:07, 48.50it/s]
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               18005/30000 [06:08<03:54, 51.19it/s]
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                18011/30000 [06:08<04:07, 48.40it/s]
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                18018/30000 [06:08<03:49, 52.20it/s]
              | 18024/30000 [06:08<03:46, 52.90it/s]
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                18058/30000 [06:09<03:34, 55.74it/s]
              | 18067/30000 [06:09<03:11, 62.21it/s]
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                18082/30000 [06:09<03:41, 53.73it/s]
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                18094/30000 [06:09<04:35, 43.24it/s]
              | 18101/30000 [06:09<04:06, 48.36it/s]
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              | 18107/30000 [06:10<04:12, 47.12it/s]
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                18113/30000 [06:10<04:06, 48.31it/s]
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              | 18123/30000 [06:10<03:31, 56.25it/s]
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              | 18319/30000 [06:14<05:57, 32.66it/s]
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                18345/30000 [06:15<04:39, 41.69it/s]
                18351/30000 [06:15<04:14, 45.80it/s]
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               18372/30000 [06:15<03:36, 53.61it/s]
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               18384/30000 [06:15<04:07, 46.87it/s]
              | 18391/30000 [06:15<03:43, 51.88it/s]
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               18438/30000 [06:16<04:16, 44.99it/s]
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86%
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86%
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                29656/30000 [10:09<00:08, 40.36it/s]
99%
                29661/30000
                            [10:09<00:11, 30.23it/s]
                29667/30000 [10:09<00:10, 32.73it/s]
99%
99%|
                29672/30000 [10:09<00:09, 36.20it/s]
99%
                29678/30000 [10:09<00:07, 40.93it/s]
99%
                29683/30000 [10:10<00:08, 39.24it/s]
99%
                29689/30000 [10:10<00:07, 43.25it/s]
99%
                29695/30000 [10:10<00:07, 43.05it/s]
                29700/30000 [10:10<00:07, 42.75it/s]
99%
99%
                29706/30000 [10:10<00:06, 42.95it/s]
99%
                29715/30000 [10:10<00:05, 49.19it/s]
                29721/30000 [10:10<00:06, 44.17it/s]
99%
99%
                29726/30000
                             [10:10<00:06, 41.60it/s]
99%
                29731/30000 [10:11<00:06, 42.80it/s]
99%
                29740/30000 [10:11<00:05, 48.83it/s]
99%|
                29746/30000 [10:11<00:04, 51.51it/s]
99%1
                29752/30000 [10:11<00:04, 50.17it/s]
99%
                29760/30000 [10:11<00:04, 55.40it/s]
99%
                29766/30000 [10:11<00:04, 54.51it/s]
99%
                29774/30000 [10:11<00:03, 59.38it/s]
99%1
              | 29781/30000 [10:11<00:03, 58.64it/s]
9981
             | 29790/30000 [10:11<00:03, 65.06it/s]
```

```
| 29797/30000 [10:12<00:03, 58.06it/s]
 99%
               | 29804/30000 [10:12<00:03, 53.58it/s]
| 29811/30000 [10:12<00:03, 54.77it/s]
 99%
 99%
               | 29817/30000 [10:12<00:03, 52.29it/s]
 99%
               | 29823/30000 [10:12<00:03, 53.17it/s]
 9981
 99%1
               | 29829/30000 [10:12<00:03, 45.51it/s]
               | 29835/30000 [10:12<00:03, 48.35it/s]
 9981
               | 29841/30000 [10:13<00:03, 49.84it/s]
 99%
               | 29848/30000 [10:13<00:02, 53.82it/s]
 99%
               | 29854/30000 [10:13<00:03, 47.22it/s]
100%|
100%|
               | 29861/30000 [10:13<00:02, 50.94it/s]
100%|
               | 29868/30000 [10:13<00:02, 55.18it/s]
100%|
               | 29874/30000 [10:13<00:02, 53.02it/s]
| 29880/30000 [10:13<00:02, 49.50it/s]
100%|
               | 29886/30000 [10:13<00:02, 44.29it/s]
100%1
               | 29894/30000 [10:14<00:02, 47.53it/s]
100%1
100%|
               29899/30000 [10:14<00:02, 43.81it/s]
100%1
               | 29908/30000 [10:14<00:01, 49.43it/s]
               | 29915/30000 [10:14<00:01, 53.49it/s]
100%
               | 29922/30000 [10:14<00:01, 54.63it/s]
100%
100%|
               | 29929/30000 [10:14<00:01, 57.90it/s]
100%|
             29937/30000 [10:14<00:01, 59.68it/s]
               | 29944/30000 [10:14<00:01, 52.65it/s]
100%|
100%|
               | 29951/30000 [10:15<00:00, 55.71it/s]
100%
               | 29957/30000 [10:15<00:00, 55.57it/s]
               | 29963/30000 [10:15<00:00, 54.82it/s]
100%1
               | 29969/30000 [10:15<00:00, 51.48it/s]
100%|
100%|
               [| 29975/30000 [10:15<00:00, 47.73it/s]
               | 29980/30000 [10:15<00:00, 42.92it/s]
100%1
               | 29986/30000 [10:15<00:00, 46.76it/s]
100%|
               | 29991/30000 [10:15<00:00, 45.86it/s]
100%
100%
               | 29999/30000 [10:16<00:00, 50.15it/s]
               | 30000/30000 [10:16<00:00, 48.69it/s]
```

In [62]:

```
X_test1 = sc.fit_transform(tfidf_sent_vectors_test)
X_test1.shape,y_test.shape
```

Out[62]:

((30000, 200), (30000,))

In [63]:

```
from sklearn.metrics import classification_report
from sklearn.metrics import confusion_matrix
import seaborn as sns

pred = (clf.predict(X_test1))
print (classification_report(y_test,pred))
result = confusion_matrix(y_test,pred)
print("Confusion Matrix of test set:\n [ [TN FP]\n [FN TP] ]\n")
print(result)
sns.set(font_scale=1.4) #for label size
sns.heatmap(result, annot=True,annot_kws={"size": 16}, fmt='g')

print("fl on test set: %0.3f%%"%(fl_score(y_test, pred)*100))
```

		precision	recall	f1-score	support
	0	0.16 0.85	0.27 0.73	0.20 0.79	4654 25346
micro av macro av weighted av	vg	0.66 0.50 0.74	0.66 0.50 0.66	0.66 0.49 0.69	30000 30000 30000

```
Confusion Matrix of test set:
  [ [TN FP]
```

[FN TP]]

[[1253 3401]

[6747 18599]] f1 on test set: 78.566% - 18000 - 15000 1253 3401 0 - 12000 - 9000 - 6000 6747 18599 ٦ 3000 0 1 Decision tree of avg(tf-idf w2v) with randomsearch CV 1. Hyperparameter is 19 2. F1 score of train data is 60.9%

3. F1 score of test data is 78.5%